NBS

Technical Note No. 18-21

QUARTERLY RADIO NOISE DATA
DECEMBER, JANUARY, FEBRUARY, 1963–64

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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* NBS Group, Joint Institute for Laboratory Astrophysics at the University of Colorado.
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Central Radio Propagation Laboratory
National Bureau of Standards
Boulder, Colorado

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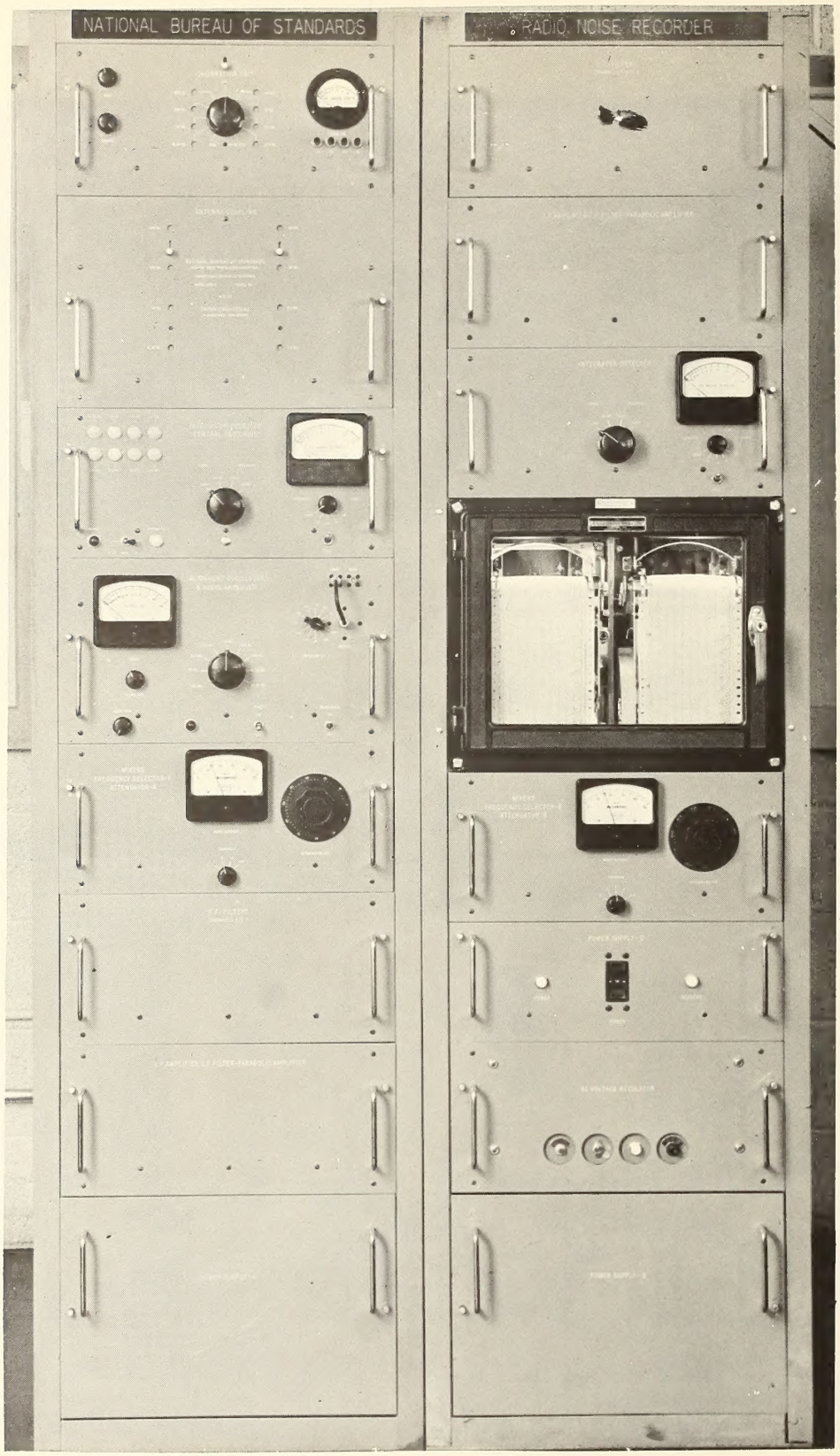
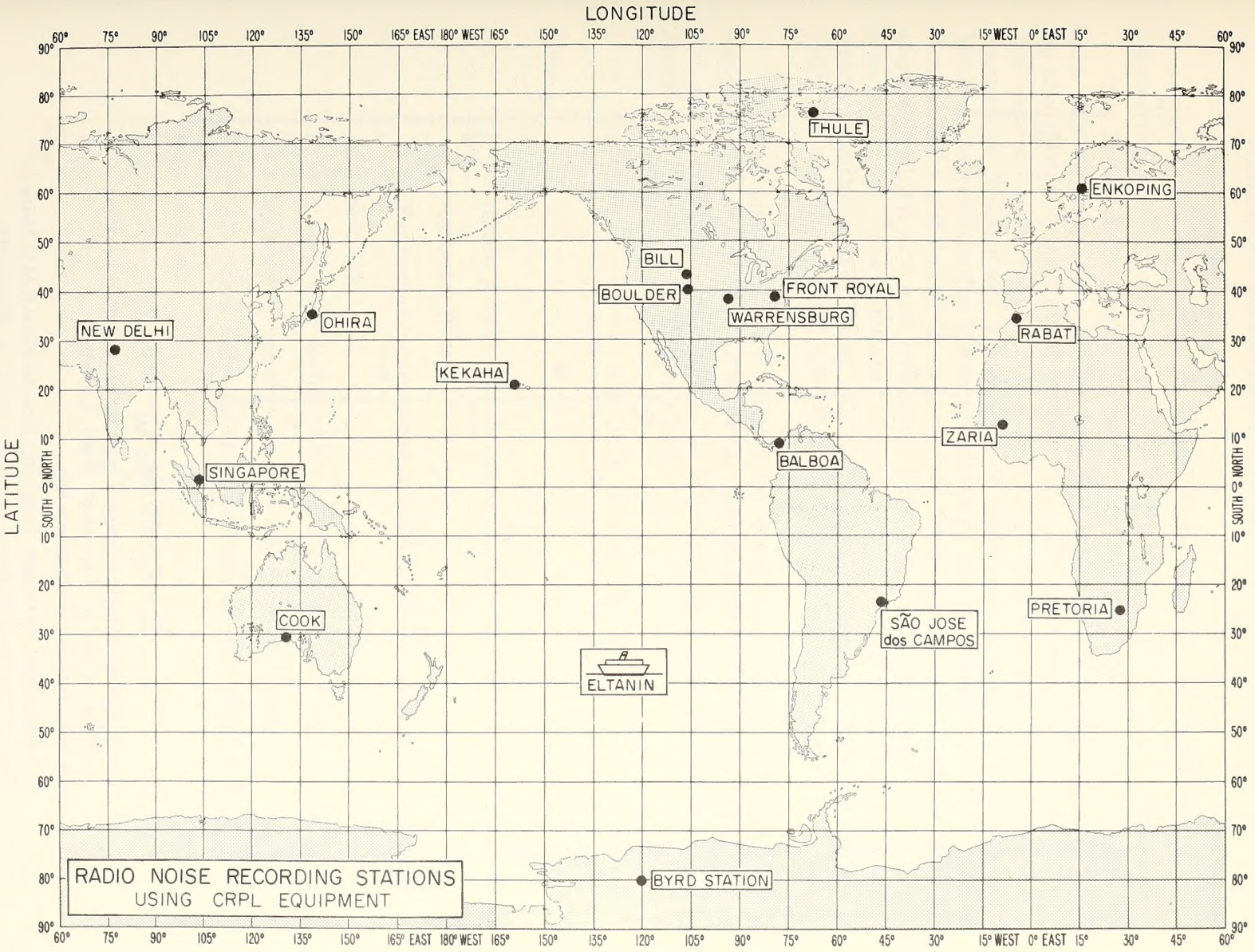
Radio Noise Recording Station

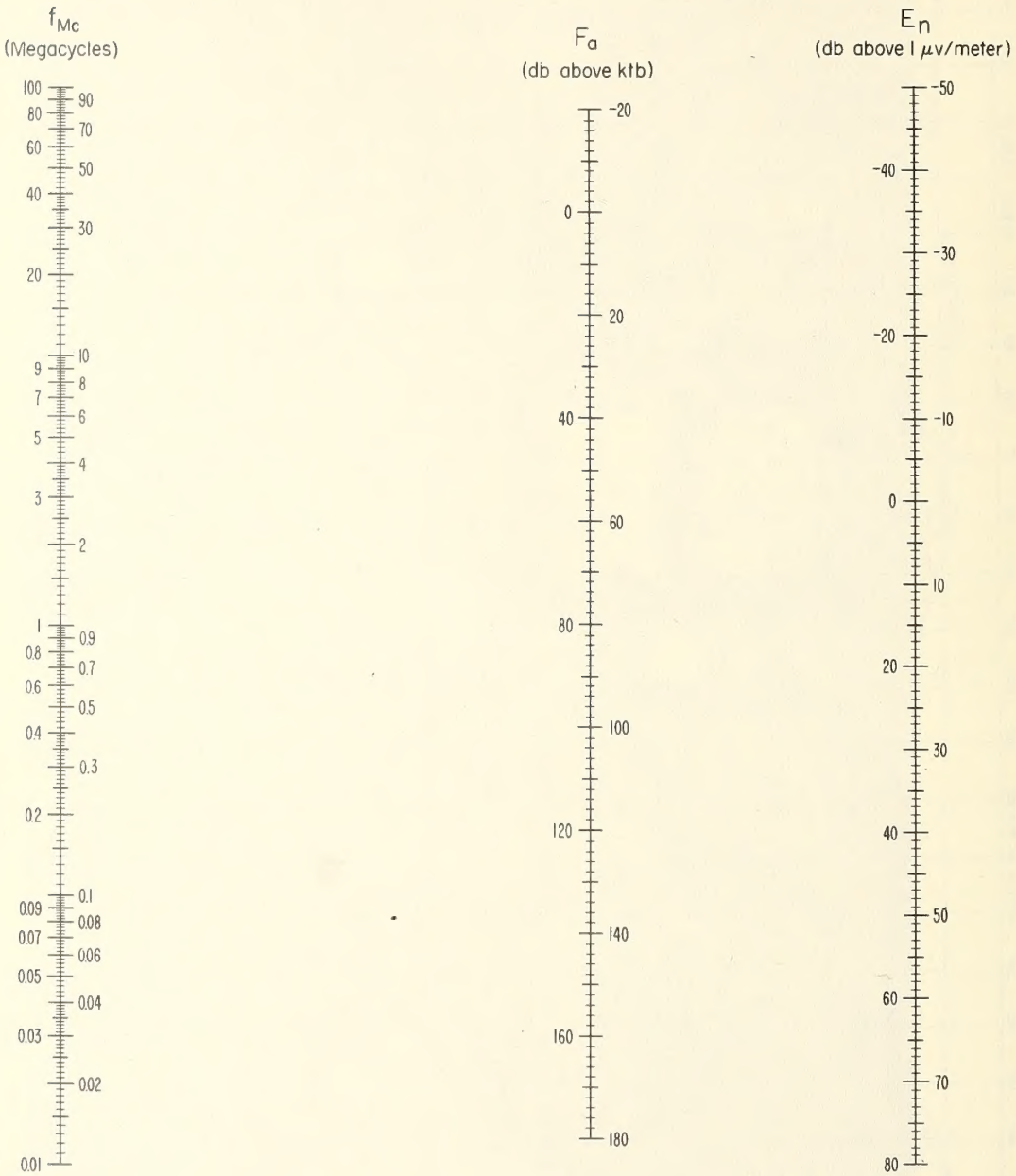


ARN-2 Atmospheric Radio Noise Recorder


LONGITUDE
60° 75° 90° 105° 120° 135° 150° 165° EAST 180° WEST 165° 150° 135° 120° 105° 90° 75° 60° 45° 30° 15° WEST 0° EAST 15° 30° 45° 60°
LATITUDE
90° 80° 70° 60° 50° 40° 30° 20° 10° SOUTH 0° NORTH 10° 20° 30° 40° 50° 60° 70° 80° 90°
THULE
ENKOPING
BILL
BOULDER
FRONT ROYAL
WARRENSBURG
NEW DELHI
OHIRA
RABAT
KEKAHA
ZARIA
BALBOA
SINGAPORE
PRETORIA
COOK
SÃO JOSE dos CAMPOS
ELTANIN
BYRD STATION
RADIO NOISE RECORDING STATIONS
USING CRPL EQUIPMENT

A

NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above 1 μv/meter for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
December, January, February, 1963-64

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

Radio noise measurements are being made at eighteen stations in a world-wide network operated in a cooperative program coordinated by the National Bureau of Standards. The locations of these stations are shown on the map. The results of these measurements for the months of December, January, and February are given in this report. Where the results for these months are not presently available, the data will be published in subsequent reports, and the data for previous months, which are now available but have not been published previously, are included. The tabulated values are based on three basic parameters of the noise; these are the mean power, the mean envelope voltage, and the mean logarithm of the envelope voltage.

The noise power received from sources external to the antenna averaged over a period of several minutes is the basic parameter and can be conveniently expressed in terms of an effective antenna noise factor, f_a, which is defined by:

$$f_a = p_n / k T_o b = T_a / T_o$$

where

p_n = noise power available from an equivalent loss-free antenna (watts)

k = Boltzman's constant = 1.38×10^{-23} joules per degree Kelvin

T_o = reference temperature, taken as 288° K

b = effective receiver noise bandwidth (c/s)

T_a = effective antenna temperature in the presence of external noise.

The antenna noise factors in this report are for a short vertical antenna over a perfectly conducting ground plane and are expressed in decibels, $F_a (= 10 \log_{10} f_a)$. This parameter is simply related to the rms noise field strength along the antenna by:

$$E_n = F_a - 95.5 + 10 \log_{10} b + 20 \log_{10} f_{Mc/s}$$

where:

E_n = rms noise field strength for bandwidth b in db above 1 μV/m

b = effective receiver noise bandwidth in c/s

$f_{Mc/s}$ = frequency in Mc/s.

The value of E_n for a 1 kc/s bandwidth can be found from the attached nomogram. It should be noted that E_n is the vertical component of the field at the antenna. It should also be noted that the rms envelope voltage is 3 db higher than the rms voltage.

The other two noise parameters tabulated are given relative to the mean power. Thus, the mean voltage and mean logarithm expressed as deviations, V_d and L_d, respectively, are in db below the mean power.

Measurements of the three parameters reported were made with the National Bureau of Standards' Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 6.6294 meter (21.75') vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour during which they were recorded. The month-hour medians, F_{am}, V_{dm} and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am}, and designated by D_u and D_ℓ, respectively.

In addition to these month-hour values, corresponding values are tabulated for the time blocks as defined by CCIR Report 322. All recorded values for the four hours of the day and the three-month period are used to determine the median and decile values. When no data were available for one or two months of the season, it is so indicated and should be noted when considering seasonal trends.

The values presented in the tables reflect the actual measured values of radio noise. The only editing for man-made noise or station contamination of the records has been done by the station operators, and no additional attempt has been made to identify these values by systematic statistical means. These preliminary data values are presented in order to expedite dissemination of the data, and additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d. This contamination generally will cause the value of L_d to be less than it would have been had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [Crichlow et al., 1960b] contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution with a form factor described in the above reference and can, therefore, be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is

corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If data for less than three months are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

The assistance of the station operators and other personnel of the operating agencies in obtaining the data contained in this report is gratefully acknowledged. Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii; Warrensburg, Missouri; USNS Eltanin

U.S. Army Strategic Communications Command - Balboa, C.Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and Ahmadu Bello University, Electrical Engineering Department, Zaria, Northern Nigeria

Ministry of Communications, Wireless Planning and Co-ordination Organization - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) - Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Comissão Nacional des Atividades Espaciais (Brazil) - Saõ José dos Campos

Department of Scientific and Industrial Research (Great Britain) - Singapore

The following publications contain additional information on radio noise:

Clark, C., "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, during the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109, 47, 393 (September, 1962).

Crichlow, W. Q., A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November, 1960b).

Crichlow, W. Q., C. J. Roubique, A. D. Spaulding, and W. M. Beery, (January-February, 1960) "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," J. Res. NBS 64D (Radio Propagation) No. 1, 49-56.

Crichlow, W. Q., "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45, 6 778 (1957).

Crichlow, W. Q., D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.

"Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

"World Distribution and Characteristics of Atmospheric Radio Noise," C.C.I.R. Report No. 322, Xth Plenary Assembly, Geneva, 1963, (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).

Fulton, F. F. (Jr.) (May-June, 1961), "Effect of Receiver Bandwidth on the Amplitude Distribution of VLF Atmospheric Noise," J. Res. NBS 65D (Radio Propagation) No. 3, 299-304.

Horner, F., "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).

Horner, F., "Radio Noise of Terrestrial Origin," Proc. of Commission IV on Radio Noise of Terrestrial Origin during the XIIIth General Assembly of URSI," London, September, 1960.

Spaulding, A. D., C. J. Roubique, and W. Q. Crichlow (November-December, 1962) "Conversion of the Amplitude-Probability Distribution Function for Atmospheric Radio Noise from One Bandwidth to Another," J. Res. NBS 66D (Radio Propagation) No. 6, 713-720.

Obayashi, T. (January-February, 1960), "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," J. Res. NBS 64D (Radio Propagation) No. 1, 41-48.

Taylor, W. L. (September-October, 1963), "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," J. Res. NBS 67D (Radio Propagation) No. 5, 539-550.

Taylor, W. L. and A. G. Jean (September-October, 1959), "Very-Low-Frequency Radiation Spectra of Lightning Discharges," J. Res. NBS 63D (Radio Propagation) No. 2, 199-204.

URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).

Watt, A. D. and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45, 6, 787 (1957).

Watt, A. D. (September-October, 1960), "ELF Electric Fields from Thunderstorms," J. Res. NBS 64D (Radio Propagation) No. 5, 425-433.

Watt, A. D. and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45, 1, 55 (1957).

Watt, A. D., R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46, 12, 1914 (1958).

Data included in this report and the standard time for each station are as follows:

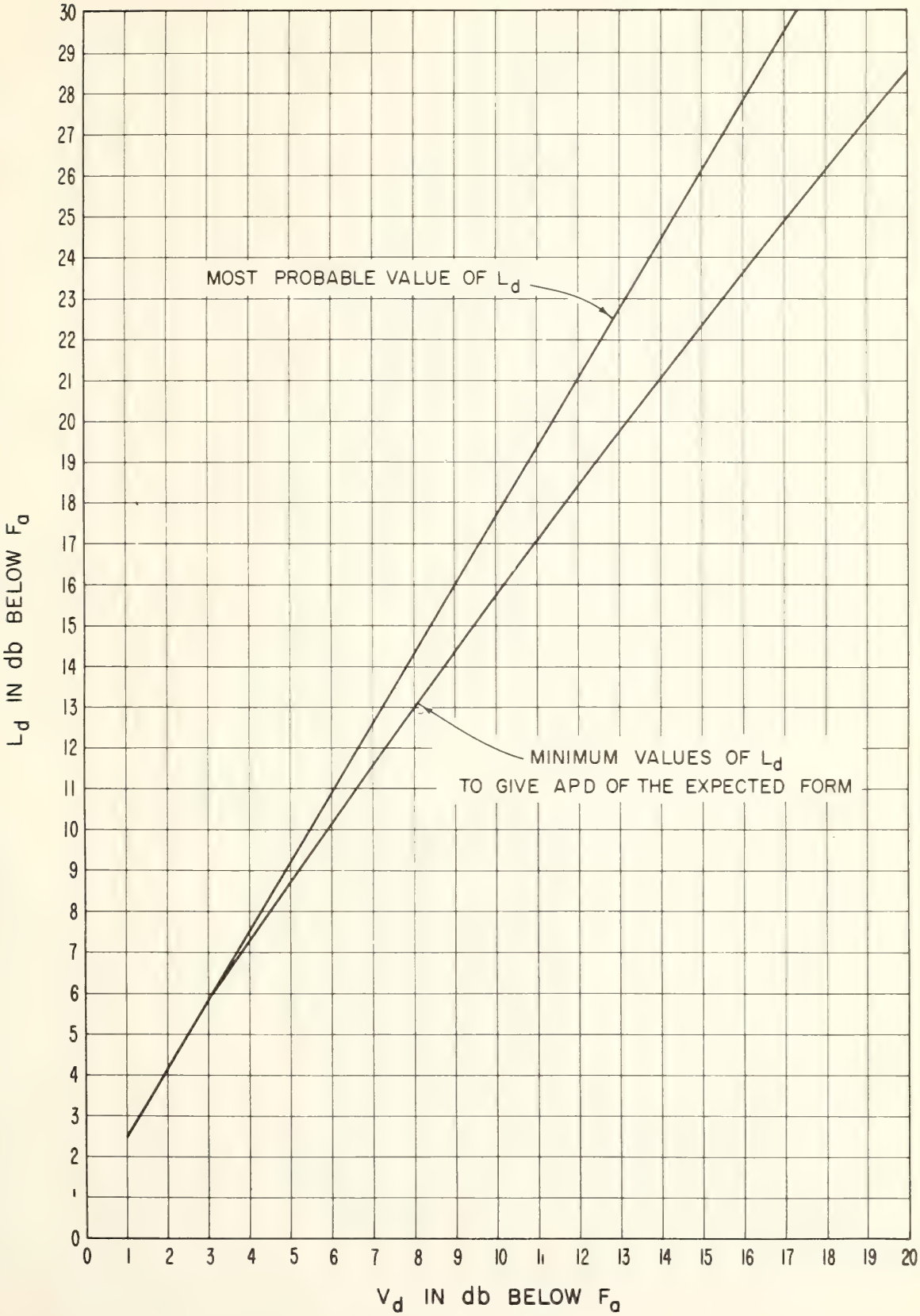
Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	December, January, February, 1963-64	75 W	+05
Bill	December, January, February, 1963-64	105 W	+07
Boulder	December, January, February, 1963-64	105 W	+07
Cook	December, January, February, 1963-64	135 E	-09
USNS Eltanin	December, January, February, 1963-64		
Enköping	December, January, February, 1963-64	15 E	-01
Front Royal	December, January, February, 1963-64	75 W	+05
Kekaha	December, January, February, 1963-64	150 W	+10
New Delhi	December, January, February, 1963-64	75 E	-05
Ohira	December, January, February, 1963-64	135 E	-09
Pretoria	December, January, February, 1963-64	30 E	-02
Rabat	December, January, February, 1963-64	GMT	0
Sao Jose	December 1963	45 W	+03
Singapore	December 1963	105 E	-07
Warrensburg	December, January, February, 1963-64	90 W	+06

Previous data from the World-Wide Network have been published in the following Technical Note 18 series:

18-1 July 1, 1957 - December 31, 1958
18-2 March, April, May, 1959
18-3 June, July, August, 1959
18-4 September, October, November, 1959
18-5 December, January, February, 1959-60
18-6 March, April, May, 1960
18-7 June, July, August, 1960
18-8 September, October, November, 1960
18-9 December, January, February, 1960-61
18-10 March, April, May, 1961
18-11 June, July, August, 1961
18-12 September, October, November, 1961
18-13 December, January, February, 1961-62
18-14 March, April, May, 1962
18-15 June, July, August, 1962
18-16 September, October, November, 1962
18-17 December, January, February, 1962-63

18-18 March, April, May, 1963
18-19 June, July, August, 1963
18-20 September, October, November, 1963

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d
FOR ATMOSPHERIC RADIO NOISE



MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month December 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	8	6	13.0	18.5	128	10	6	10.5	15.5	112	10	10	*12.0	*16.5	95	7	5	*6.5	*12.0
01	152	9	4	12.5	16.5	127	12	5	10.0	14.5	110	14	7	*8.5	*14.0	95	10	7	*11.5	*15.0
02	152	10	5	*11.0	*17.0	128	13	4	*11.5	*17.5	112	9	6	12.0	19.0	95	8	6	10.0	18.0
03	154	5	6	11.0	17.0	128	13	5	12.5	18.5	112	10	8	11.0	16.5	93	11	6	10.5	17.0
04	154	7	6	9.0	13.5	127	13	3	*10.5	*16.0	109	12	7	*11.5	*19.5	92	10	5	*8.0	*16.0
05	154	8	3	12.0	18.0	128	13	5	*12.0	*19.0	108	13	9	*12.0	*18.5	87	17	11	11.0	18.5
06	154	8	6	*12.0	*18.0	126	12	8	*12.0	*18.0	98	12	13	*11.0	*17.5	77	26	6	*7.5	11.0
07	150	11	3	12.0	18.0	120	20	4	12.0	19.5	92	30	13	*14.0	*21.5	77	25	4	*9.5	15.5
08	150	8	5	11.0	16.5	116	22	9	*12.5	*18.5	85	35	5	*12.5	*20.5	77	24	4	*11.5	19.0
09	149	9	5	12.5	16.5	116	19	14	*15.0	*20.0	83	33	12	*11.0	*13.0	77	22	5	*10.0	17.0
10	150	9	8	*13.0	*18.5	116	18	11	10.5	14.0	82	35	9	*12.0	*21.0	75	22	4	*13.0	20.0
11	150	9	4	11.5	17.0	118	14	7	*10.0	*15.5	84	30	6	*5.0	*8.0	75	20	5		
12	151	7	3	12.0	14.5	120	12	5	*11.5	*16.5	86	24	8	*13.0	*19.0	75	20	4	*9.5	13.0
13	154	6	7	*13.0	*17.5	124	10	8	11.0	16.0	92	21	8	*7.5	*10.0	76	21	3		
14	156	5	7	*12.0	*15.5	124	9	8	*12.0	*16.0	92	25	8	*8.5	*13.0	79	24	8	*12.0	*17.0
15	154	7	3	11.0	17.5	124	18	6	13.0	18.5	96	24	12	*13.0	*20.0	77	22	4	*7.0	*8.0
16	154	4	5	*10.5	*15.0	122	12	6	13.0	19.0	92	25	6	*12.0	*18.0	77	22	4	*11.5	*17.0
17	152	5	4	12.5	18.5	124	11	12	*11.5	*15.5	98	16	13	*10.5	*16.5	87	9	10	*10.0	*13.5
18	150	7	4	*13.0	*19.0	124	10	8	14.0	19.0	104	10	6	*10.0	*16.0	91	8	7	*7.0	*11.0
19	150	6	6	*12.0	*16.5	124	10	5	*11.5	*16.0	108	6	8	*11.0	*14.5	93	7	6	*6.0	*9.0
20	150	4	7	*13.0	*17.5	126	6	6	*9.5	*13.0	108	7	8	10.0	16.0	93	5	4	*8.5	*13.0
21	148	7	3	*11.5	*17.0	126	9	8	*10.5	*15.5	110	6	10	11.0	17.0	95	3	8	7.0	13.0
22	150	6	5	14.5	19.0	126	10	6	11.5	18.0	110	6	10	10.0	16.0	93	9	5	7.5	11.5
23	150	9	4	*13.5	*19.0	128	10	8	*8.5	*12.0	110	11	8	9.5	16.0	93	8	4	*9.0	15.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	62	8	6	7.0	10.5	55	9	16	4.5	7.0	44	12	7	*2.5	*4.0	25	2	2	*3.5	*4.5
01	62	7	6	7.5	11.5	53	8	15	*5.0	*8.0	42	15	4	5.0	7.0	27	2	4	3.0	3.5
02	63	9	7	*9.0	*13.5	56	6	17	*5.0	*7.0	42	15	4	*3.5	*5.0	25	4	2	2.0	3.0
03	60	7	4	*5.0	*8.0	55	6	15	4.5	7.5	38	5	2	*3.0	*5.0	27	2	4	2.0	2.5
04	62	10	7	*6.0	*10.0	55	6	16	5.5	8.5	38	5	3	5.0	7.0	27	2	2	2.0	3.0
05	62	10	8	7.5	11.0	53	11	15	*6.5	*9.5	38	8	3	*3.0	*6.0	27	3	2	2.0	3.5
06	58	12	8	*8.0	*13.0	58	5	16	*5.5	*7.5	50	5	8	*3.0	*5.0	29	3	4	*2.5	*4.0
07	48	16	8	*4.5	*6.5	53	6	15	*7.0	*11.0	46	10	6	3.0	6.0	29	6	4	*5.0	*7.0
08	42	16	5	*5.0	*6.5	47	9	15	*4.5	*8.0	44	9	6	3.0	5.0	29	8	4	2.0	4.0
09	40	13	6	4.0	5.5	41	11	11	*3.5	*7.0	44	9	6	*3.0	*5.0	29	4	3	2.5	3.0
10	40	10	6	*3.0	*4.5	41	9	11	4.0	6.5	42	9	8	5.0	7.0	29	2	3	*3.0	*3.5
11	38	8	3	3.5	6.0	39	8	12	7.0	9.5	39	6	5	*3.5	*6.0	27	4	2	4.0	5.0
12	38	5	4	*3.5	*5.5	39	6	11	*3.0	*5.0	40	8	8	*3.5	*6.0	29	3	2	2.5	4.0
13	38	8	4	*3.0	*5.0	39	6	10	*2.5	*4.5	42	7	9	*4.0	*6.0	29	5	2	*4.0	*6.0
14	38	8	2	3.5	5.0	41	5	12	*4.5	*6.0	42	11	7	*4.5	*6.0	29	4	2	3.5	4.5
15	38	13	4	5.0	6.5	47	9	11	6.0	9.5	44	9	7	4.5	6.0	29	2	2	3.5	4.5
16	42	14	5	5.5	7.0	53	5	11	7.5	10.0	48	9	8	6.0	9.0	29	0	2	*4.0	*5.0
17	48	19	7	6.5	8.5	59	8	14	*5.5	*8.0	48	9	6	4.0	6.0	27	3	4	2.0	3.0
18	54	12	4	5.5	9.5	61	6	14	6.5	10.0	44	9	4	4.0	6.0	25	2	2	*3.5	*4.0
19	56	11	4	6.0	9.5	61	8	15	*6.5	*8.5	42	6	4	3.0	5.5	25	2	2	1.5	2.0
20	58	8	5	6.0	10.0	61	7	12	*5.0	*7.5	42	6	5	*3.0	*4.5	25	2	2	2.0	3.0
21	60	6	8	6.5	10.0	63	7	14	*4.5	*7.0	40	7	2	3.0	4.5	25	2	2	1.5	2.5
22	60	7	6	6.0	10.0	61	6	16	4.0	6.0	42	9	4	3.0	5.0	25	2	2	3.0	3.5
23	60	10	5	7.0	11.0	55	7	11	*4.5	*6.5	42	10	4	3.5	5.5	25	2	2	*2.0	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month January 19 64

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dℓ	Vdm	Ldm	.051 Fam	Du	Dℓ	Vdm	Ldm	.160 Fam	Du	Dℓ	Vdm	Ldm	.495 Fam	Du	Dℓ	Vdm	Ldm
00	148	2	5	13.5	18.5	124	6	7	11.0	16.5	104	8	6	*7.0	*16.0	90	7	4	7.5	14.0
01	148	2	5	13.0	19.0	124	6	6	10.0	16.0	106	6	6	9.0	15.5	91	5	5	7.5	14.0
02	148	4	2	11.5	18.0	124	7	5	9.0	15.0	106	7	10	8.0	14.0	90	6	5	6.0	12.0
03	150	3	4	*12.0	*17.5	126	7	6	11.0	17.0	108	6	12	9.5	15.5	89	6	4	*8.0	*15.0
04	150	5	2	11.5	16.5	126	5	4	9.5	15.0	106	6	12	8.0	15.0	89	8	12	9.0	16.0
05	150	5	2	10.5	16.0	126	5	7	10.5	16.5	102	7	11	*10.0	*18.0	85	6	13	*9.5	*12.5
06	150	5	3	11.0	16.5	124	7	6	12.0	17.0	93	9	7	*11.5	*18.0	75	12	4	*2.5	*5.5
07	148	4	2	*11.0	*16.5	118	5	5	11.5	18.0	82	15	4	*11.0	*19.0	75	5	2	*2.0	*4.0
08	146	4	2	11.0	16.0	112	9	12	11.0	17.0	86	12	12	*9.0	*18.5	75	12	2	*2.0	*3.5
09	146	6	4	11.5	16.5	111	7	13	*12.0	*17.5	84	18	12	*10.0	*15.0	73	14	0	*3.0	*6.5
10	146	4	4	*10.0	*15.5	112	7	13	*12.0	*18.0	84	18	13	*7.0	*12.0	73	5	2	2.0	3.5
11	148	4	5	11.0	16.0	114	6	9	12.0	17.0	84	9	13	*7.0	*12.0	73	4	2	*1.5	*3.0
12	150	4	4	10.5	16.0	118	8	6	10.0	16.0	86	9	10	*7.5	*12.5	75	4	2		
13	152	2	5	*10.0	*15.0	120	7	6	10.0	15.5	88	5	9	*8.0	*13.0	73	5	2	*5.0	*7.0
14	152	4	3	10.0	15.5	122	4	6	9.5	15.0	89	9	5	8.0	13.5	73	4	2	*3.0	*5.0
15	154	2	5	10.0	15.0	120	6	5	10.0	15.0	90	6	7	9.0	14.0	75	3	4	*7.5	*10.5
16	152	2	3	11.0	16.0	118	6	6	9.5	15.0	88	10	5	8.5	14.5	73	7	0	*4.0	*5.5
17	150	2	3	11.5	17.0	114	11	7	12.5	18.0	90	10	4	9.5	15.0	77	6	4	*12.0	*19.0
18	148	3	4	13.5	19.0	120	8	5	10.5	16.5	100	9	4	*7.5	*13.0	87	6	4	6.0	10.0
19	148	4	3	13.0	19.0	124	4	5	10.0	15.5	104	5	6	*8.0	*13.0	89	6	4	7.0	12.0
20	148	5	6	13.0	18.0	124	6	6	10.5	16.0	104	8	5	8.5	14.5	89	6	4	6.5	11.5
21	148	5	6	13.0	18.0	124	5	6	10.0	15.0	104	9	6	8.5	14.0	89	6	4	6.5	11.0
22	146	6	4	12.0	17.0	124	7	6	9.5	15.0	104	11	5	8.0	13.5	89	8	4	6.0	10.0
23	146	5	4	12.0	18.0	124	7	7	9.0	15.0	102	11	4	8.0	15.0	91	5	6	*8.5	*14.0

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	59	7	4	*4.0	*8.0	53	6	8	*4.0	*8.0	42	8	4	4.0	5.5	23	4	4	2.0	2.5
01	61	7	6	*6.5	*11.0	53	6	9	4.0	7.0	42	14	4	*4.5	*6.5	23	4	4	2.0	2.5
02	61	7	4	6.0	9.0	51	9	7	*4.0	*7.0	42	11	4	3.5	6.0	23	4	2	2.0	3.0
03	61	6	8	*5.5	*10.0	53	6	11	4.5	7.5	38	5	0	3.0	5.0	23	5	2	2.0	3.0
04	59	9	4	*9.5	*14.0	50	8	6	5.0	8.5	40	2	4	2.5	4.0	25	4	4	2.0	3.0
05	59	12	8	*8.0	*13.0	51	4	6	4.5	7.5	38	4	1	2.0	3.0	25	4	4	1.5	2.5
06	53	12	6	6.0	9.5	56	10	11	*4.0	*6.5	48	6	7	*3.0	*5.5	27	4	6	*1.5	*2.5
07	45	8	4	*5.5	*7.5	52	5	11	*3.5	*7.0	48	6	6	*3.0	*6.5	26	6	5	2.0	3.0
08	43	8	5	*2.0	*3.5	45	6	12	*3.5	*7.0	44	4	4	*2.5	*5.0	27	4	6	1.5	3.0
09	39	9	2	*2.0	*3.0	37	9	6	*5.5	*9.0	42	10	6	*4.5	*8.0	27	7	6	*3.0	*4.5
10	39	3	4	*3.0	*4.5	37	7	6	*4.0	*6.0	41	7	5	*4.5	*6.5	25	7	5	3.0	5.0
11	41	3	4	3.5	5.0	35	4	5	*3.0	*3.5	38	13	2	4.5	6.0	25	5	6	*1.0	*2.0
12	39	5	4	*3.0	*4.5	35	7	5	*2.5	*4.0	38	5	2	4.0	6.5	25	4	5	*4.0	*6.0
13	39	4	4	2.0	4.0	36	7	5	*4.5	*7.0	39	10	3	3.0	5.5	27	4	5	*4.0	*5.0
14	39	4	4	3.0	4.5	38	7	5	*4.0	*6.0	42	7	6	4.5	7.0	25	5	3	3.0	4.5
15	39	4	2	3.0	5.0	43	6	8	*7.0	*11.0	42	11	4	*4.5	*7.5	25	4	4	3.5	5.0
16	41	3	3	4.0	5.0	51	4	9			48	6	8	*3.0	*5.5	25	5	4	2.5	3.5
17	45	4	4	5.0	7.0	59	5	6	*5.5	*9.0	50	5	7	4.0	7.0	23	5	2	3.0	4.0
18	51	7	4	4.5	7.0	60	7	7	*5.0	*8.0	46	9	5	3.5	5.0	23	5	4	2.0	3.0
19	57	3	4	*4.5	*7.5	67	8	15	*5.0	*8.0	43	7	4	3.0	5.0	21	5	2	2.0	3.0
20	57	6	4	5.0	8.0	63	8	9	*3.5	*6.0	42	4	3	4.0	6.0	23	3	4	2.0	3.0
21	57	6	5	*4.0	*6.5	63	10	10	*5.0	*8.5	42	4	4	4.0	6.0	23	3	4	2.0	3.0
22	58	7	5	3.5	6.5	59	8	8	*3.0	*6.0	40	10	2	3.5	5.5	21	5	2	1.5	3.0
23	59	6	6	4.0	7.5	54	7	8	5.0	7.5	40	5	2	3.0	5.0	23	4	4	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Month February 1964

Frequency (Mc)

Hour (LST)	.013 Fam	Du	Dl	Vdm	Ldm	.051 Fam	Du	Dl	Vdm	Ldm	.160 Fam	Du	Dl	Vdm	Ldm	.495 Fam	Du	Dl	Vdm	Ldm
00	148	5	5	*11.0	*16.5	128	7	9	*10.0	*16.0	108	10	5	*9.0	*15.0	94	7	7	*8.0	*15.0
01	150	4	5	*12.0	*17.0	127	9	8	*11.0	*16.0	108	10	13	10.0	16.0	94	5	9	7.5	12.5
02	148	6	2	10.5	15.5	128	6	7	11.0	17.0	110	5	10	11.0	17.0	94	5	7	*9.5	*15.0
03	150	5	4	*11.5	*17.0	128	8	8	*12.0	*17.5	108	10	9	12.0	17.5	96	3	9	*11.0	*16.0
04	150	6	2	*11.0	*15.5	126	10	6	*10.0	15.0	108	9	10	*8.0	*15.5	92	7	12	10.0	15.5
05	152	4	4	11.0	16.5	126	11	6	*11.0	17.0	106	9	13	*11.5	*19.0	87	10	13	*9.0	*15.0
06	150	3	2	11.5	16.5	124	8	6	*12.0	17.5	94	20	16	*13.0	*19.5	74	24	12	*5.5	*9.0
07	150	4	6	*12.5	*18.0	120	14	8	*14.0	18.0	93	21	19	*18.0	*24.0	79	18	5		
08	150	4	4	12.5	16.0	116	18	12	*9.0	15.0	88	26	14	*11.5	*16.0	78	15	6		
09	150	3	6	10.0	15.0	116	16	14	*17.0	22.0	83	30	13	*7.5	*19.5	76	10	4	*2.0	*3.5
10	148	5	4	*11.0	*16.0	111	19	5	*13.5	19.5	80	28	8	*11.0	*15.5	74	8	2	*4.5	*5.5
11	150	4	5	*11.0	*16.0	116	11	8	*10.5	17.0	86	23	12	*7.0	*15.0	76	8	4	*2.5	*3.0
12	152	4	6	*11.5	*15.5	122	8	11	*10.5	16.0	90	16	16	*8.0	*13.5	76	4	4	*14.0	*19.0
13	154	4	6	*9.5	*15.0	125	7	9	*12.0	16.5	96	8	14	10.5	16.5	76	8	4	*2.5	*4.0
14	154	4	2	10.5	15.5	127	5	9	*11.0	16.0	98	10	12	*10.5	*16.5	76	10	4	*5.0	*7.0
15	158	2	6	10.5	15.5	126	4	8	10.0	14.5	98	10	12	8.0	13.5	76	14	2	*4.5	*7.0
16	156	2	4	10.0	15.0	124	10	9	10.0	15.0	98	11	11	10.0	15.0	80	14	6	6.0	9.0
17	154	5	5	11.0	16.0	122	16	8	12.0	16.5	96	18	6	9.0	13.5	80	10	4	*5.0	*7.5
18	152	4	6	11.0	16.5	124	10	8	11.0	17.5	104	8	6	9.0	14.0	92	4	6	6.0	10.0
19	152	3	7	*12.0	*17.0	128	6	6	*9.0	*15.0	106	6	6	8.5	14.0	94	4	6	7.0	11.5
20	149	5	5	*10.5	*16.0	128	7	7	9.5	15.0	108	4	10	9.0	15.0	94	4	6	7.0	12.0
21	150	2	7	13.5	17.0	126	8	7	9.0	15.0	108	7	9	9.0	15.0	94	6	6	7.0	12.5
22	148	5	5	13.0	17.0	127	6	8	*9.5	*15.0	108	8	8	9.0	16.0	94	6	8	7.0	13.0
23	148	6	6	*12.0	*17.0	126	10	7	10.0	16.0	110	8	14	*8.0	*15.0	94	6	6	*7.5	*13.5

Hour (LST)	2.5 Fam	Du	Dl	Vdm	Ldm	5 Fam	Du	Dl	Vdm*	Ldm*	10 Fam	Du	Dl	Vdm	Ldm	20 Fam	Du	Dl	Vdm	Ldm
00	61	10	9	6.0	10.0	56	10	4	5.0	8.0	41	10	2	4.0	6.0	22	4	2	1.5	3.0
01	61	8	7	*7.0	*11.0	57	4	6	5.0	8.0	43	8	4	*4.0	*6.0	24	0	3	3.0	4.0
02	64	8	10	*6.0	*10.0	56	6	4	4.0	7.5	41	8	6	4.0	6.0	24	0	2	*2.0	3.5
03	62	8	8	7.0	12.0	56	7	5	5.0	8.5	39	5	1	*3.5	*5.0	24	1	2	2.5	3.5
04	62	9	9	*7.0	*12.0	55	8	3	4.5	8.5	39	7	2	*4.0	*7.0	24	1	2	2.0	3.0
05	62	6	9	*8.0	*13.0	54	14	6	7.0	11.0	39	8	2	*3.5	*5.5	24	1	2	2.0	3.0
06	54	11	6	*8.0	*13.0	58	8	6	4.5	7.5	49	4	6	*3.5	*6.0	24	3	2	*2.0	*3.0
07	47	9	9			54	6	8			47	4	6	*5.5	*8.5	26	4	4	*3.0	*4.5
08	44	8	6	*6.0	*9.0	50	6	6	5.0	8.5	43	6	4	*3.5	*7.5	24	8	2	*2.0	*4.0
09	38	6	4	*5.0	*7.5	46	4	8	6.5	11.0	41	10	6	*4.0	*6.0	24	8	2	*2.0	*3.0
10	38	8	4	*5.0	*7.0	46	2	8	8.0	13.0	41	6	6	4.5	7.5	24	10	2	*3.0	*4.0
11	38	4	4	*7.0	*10.0	44	4	8	6.0	11.0	39	6	4	*4.0	*7.0	24	6	2	*4.0	*5.5
12	36	6	2	*5.0	*7.0	44	2	8	7.0	12.0	38	7	3	*5.5	*8.0	24	2	4	*2.5	*4.0
13	38	2	4	*5.0	*7.0	42	4	6	9.0	13.0	39	8	2	*4.5	*7.0	26	4	2	3.5	5.0
14	38	4	2	*5.0	*7.0	44	4	4	8.0	12.5	41	6	4	4.0	6.5	25	3	3	*4.0	*6.0
15	38	4	2	*5.0	*7.0	48	5	6	6.0	9.5	43	6	4	4.5	6.5	26	4	4	*4.0	*6.0
16	39	6	3	*4.0	*6.0	51	6	3	5.5	9.5	46	7	3	3.0	5.5	24	6	0	3.5	5.5
17	46	6	7	6.0	9.5	56	10	4	5.0	8.0	49	4	6	*4.5	*8.0	24	6	2	4.0	5.0
18	52	8	6	*8.5	*11.5	65	10	10	5.0	7.5	49	4	4	*5.0	*9.0	22	3	1	*2.5	*4.0
19	58	7	6	*6.0	*10.0	68	10	12	5.5	8.5	45	6	5	*5.5	*8.0	22	4	2	*2.0	*3.0
20	58	8	5	*8.0	*10.0	67	7	7	2.5	5.0	44	10	6	4.0	7.0	22	4	2	2.5	4.0
21	58	12	6	*6.0	*10.0	62	10	6	4.5	6.5	41	4	4	4.5	7.0	22	4	2	2.5	3.5
22	60	8	12	*6.0	*9.0	56	10	4	4.0	7.0	41	8	4	*4.0	*6.0	22	4	2	2.0	3.5
23	58	12	8	*5.0	*8.5	56	14	6	5.5	9.0	43	10	6	4.5	6.0	22	12	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month December 1963

Hour (LST)	.013 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	.051 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	.160 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	.495 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	2.5 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	5 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	10 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}	20 Mc F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	152	2	4	8.5	13.5	128	3	4	2.5	5.0	95	5	8	8.5	15.5	78	6	6	6.5	11.5	50	6	4	3.0	5.5	46	6	3	2.0	5.5	43	0	12	1.0	3.5	25	0	0	1.0	2.5
01	152	3	2	8.5	14.0	130	2	6	2.0	5.0	94	7	6	7.5	14.5	77	6	5	6.5	11.0	50	5	6	3.5	5.5	48	6	4	2.5	5.0	46	6	14	2.0	4.0	25	0	0	1.0	2.5
02	152	2	2	8.5	14.5	130	4	5	2.0	5.0	93	6	6	8.0	14.0	76	8	8	7.5	12.5	48	7	3	3.0	5.0	48	4	2	3.0	6.0	44	12	12	1.5	4.5	25	0	0	0.5	2.5
03	152	4	2	9.5	15.5	130	4	4	1.5	4.5	93	4	7	9.0	14.5	74	8	4	7.5	13.0	48	7	2	3.0	5.0	48	4	2	3.5	6.5	42	16	10	2.0	4.0	25	0	0	0.5	2.0
04	152	2	2	10.5	16.5	130	4	3	2.0	5.0	91	6	7	9.0	14.5	72	9	8	8.0	12.5	48	6	2	3.0	6.0	48	4	4	3.0	6.0	40	14	8	1.5	3.5	25	2	0	0.5	2.0
05	152	2	2	10.5	16.5	131	3	4	2.0	4.5	89	6	6	8.0	14.0	68	8	7	6.5	11.5	48	5	3	3.0	4.5	48	2	4	2.5	6.0	34	14	4	1.0	3.0	25	2	0	0.5	2.0
06	152	2	2	11.5	17.5	130	3	2	1.5	4.5	84	7	8	8.5	13.5	60	10	4	5.0	8.0	46	5	3	2.5	4.5	44	4	2	2.5	4.5	36	9	4	2.0	4.0	25	2	0	1.0	2.5
07	152	2	3	11.5	17.0	122	4	4	1.5	4.0	73	9	4	6.0	8.5	54	6	4	1.5	4.0	44	4	4	2.5	4.5	44	2	2	2.0	4.0	38	3	4	2.0	4.0	25	2	0	1.5	3.0
08	149	1	2	10.0	16.0	124	2	8	2.0	5.0	69	15	5	1.5	3.5	52	6	2	1.5	3.5	28	10	4	2.5	5.0	38	6	4	3.0	4.5	36	4	4	2.0	4.0	27	0	2	1.0	3.0
09	148	4	4	10.5	16.5	122	2	14	2.0	5.0	67	18	4	1.5	3.0	52	6	2	2.0	4.0	22	6	4	1.5	3.5	30	4	6	1.5	3.0	34	2	4	1.5	4.0	27	1	2	1.5	3.0
10	146	4	2	10.0	16.0	120	4	4	2.0	4.5	69	16	4	1.5	3.0	52	6	2	2.0	3.5	20	4	2	1.0	2.5	26	6	6	1.0	3.0	32	2	3	2.0	4.0	27	2	0	0.5	2.5
11	146	4	4	10.5	15.5	120	4	4	2.0	5.0	69	16	6	1.5	3.0	52	6	2	2.0	4.0	20	4	2	1.5	3.0	22	6	5	1.0	2.5	32	2	4	1.5	3.0	27	2	2	1.0	2.5
12	146	4	4	11.0	16.0	120	4	4	2.0	4.5	69	15	6	1.5	3.0	52	6	2	2.0	3.5	20	2	2	1.0	2.5	22	6	7	1.5	3.0	32	2	3	1.0	3.0	27	3	2	0.5	2.5
13	146	4	5	10.5	15.5	120	4	3	2.0	5.0	69	15	5	1.5	3.0	52	6	2	2.0	4.0	20	5	2	1.5	3.0	22	7	5	1.0	3.0	34	4	4	2.5	4.0	27	1	2	1.0	3.0
14	146	4	5	10.5	16.0	120	4	8	2.5	5.0	69	15	6	1.5	3.0	52	6	2	2.5	4.0	20	6	2	1.5	3.5	24	8	4	1.5	3.0	39	9	6	2.0	4.0	25	2	0	2.0	2.5
15	144	4	5	11.0	16.5	120	4	12	2.0	5.0	69	11	4	1.5	3.5	54	4	4	2.0	3.5	28	10	4	1.5	3.0	30	7	2	1.0	2.5	44	8	7	2.0	4.5	25	2	0	0.5	2.0
16	144	4	4	11.5	16.0	122	2	8	2.0	5.0	77	10	10	6.0	10.0	58	6	6	2.5	5.0	30	8	4	1.5	3.0	42	5	5	2.0	4.0	46	11	8	2.0	4.5	25	2	0	0.5	2.0
17	144	6	2	11.5	18.0	122	3	6	2.5	5.5	81	10	6	8.0	14.0	64	7	6	5.0	8.5	42	5	8	2.0	3.5	44	6	3	2.0	4.0	42	8	9	2.0	4.0	25	2	0	0.5	2.0
18	146	4	4	12.5	18.0	124	4	2	1.5	5.0	86	12	9	7.5	13.0	70	10	6	6.0	10.0	44	6	4	2.0	5.0	46	5	4	2.0	4.0	38	12	8	1.5	3.5	25	1	0	1.0	2.5
19	148	4	6	12.0	18.0	128	2	4	2.0	5.0	89	9	8	8.0	13.0	74	10	6	6.5	11.0	46	7	3	3.0	5.5	48	4	6	2.0	4.0	36	16	4	1.5	3.5	25	0	0	0.5	2.5
20	148	4	4	12.5	18.0	128	3	4	3.0	6.0	91	10	6	8.5	15.0	75	10	7	6.5	11.0	48	6	4	3.0	5.5	46	8	4	2.0	4.5	36	10	6	2.0	3.5	25	0	0	1.0	2.5
21	148	5	2	11.0	17.0	128	4	3	2.5	5.5	93	8	9	8.0	15.0	78	6	6	6.0	11.0	50	4	4	3.0	5.5	46	8	4	2.5	5.5	34	17	4	1.5	3.5	25	0	0	1.0	2.5
22	150	4	4	9.0	14.5	128	2	5	2.5	5.5	93	9	6	8.0	15.0	80	2	7	6.0	11.0	50	3	4	3.5	5.5	46	5	2	2.5	5.5	38	12	8	2.0	4.0	25	0	0	1.0	2.5
23	150	4	2	9.0	14.0	128	2	4	2.5	5.0	95	6	9	8.5	15.5	78	6	6	6.0	11.5	50	4	4	3.0	5.5	46	6	2	3.0	5.5	40	13	8	1.5	3.0	25	0	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Month January 1964

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	148	7	0	10.0	16.0	128	4	4	2.5	4.5	90	14	6	9.0	15.0	76	8	8	7.0	11.0	48	8	5	3.0	5.0	48	6	4	2.5	5.0	33	14	4	1.5	3.0	24	0	0	0.5	2.0
01	150	5	2	10.5	16.5	128	5	3	2.5	5.0	92	11	7	8.0	13.0	76	9	7	7.0	11.5	48	5	5	3.0	6.0	48	5	3	3.0	6.0	33	13	4	1.0	2.5	24	2	0	0.5	2.0
02	152	3	4	10.5	16.5	128	5	4	2.0	4.5	90	14	6	8.5	13.5	76	9	10	6.5	11.0	48	6	6	3.0	6.0	48	6	2	3.0	6.5	31	16	2	1.5	4.0	24	2	0	0.5	2.0
03	150	5	2	10.0	17.0	128	4	4	2.0	4.5	88	16	6	9.5	14.0	72	9	8	7.5	12.0	48	8	4	2.5	4.5	48	4	4	3.0	6.0	33	13	4	1.0	3.0	24	2	0	0.5	2.5
04	150	4	4	11.5	18.0	128	2	3	2.0	4.5	88	11	5	9.0	13.5	70	18	9	6.0	11.0	48	6	6	3.0	5.0	48	5	2	2.5	6.0	33	8	3	1.0	2.5	26	0	2	1.0	2.5
05	150	5	4	12.5	19.0	128	3	2	2.5	5.0	84	14	4	8.0	13.0	64	12	4	5.0	8.0	48	4	6	2.5	4.5	48	4	3	3.5	6.0	33	8	3	1.0	2.5	26	0	2	1.5	3.0
06	150	3	2	11.5	17.5	128	2	4	2.5	5.0	82	5	5	8.0	12.0	60	4	5	4.5	7.0	46	6	4	2.5	4.0	46	9	4	3.0	5.0	35	5	4	1.5	3.0	26	0	2	1.5	2.5
07	150	4	2	11.5	17.5	118	4	4	2.5	5.0	74	9	6	6.0	9.0	54	4	2	2.0	4.0	42	4	2	2.0	4.5	44	4	3	2.5	5.0	35	7	2	2.0	4.0	26	0	2	1.0	2.5
08	148	4	4	11.5	17.0	120	2	3	2.0	4.5	70	5	5	2.5	4.0	56	2	6	2.0	4.5	30	7	7	2.5	4.5	38	4	6	2.5	4.0	35	4	3	1.5	4.0	26	0	2	1.0	2.5
09	146	6	6	11.0	17.0	114	6	8	2.0	4.5	72	12	6	1.5	3.0	54	6	4	2.0	3.5	22	2	4	1.5	3.0	32	2	12	1.5	3.0	33	4	4	1.5	3.5	26	0	2	0.5	2.0
10	144	10	3	10.0	15.0	114	6	8	2.0	4.0	74	8	10	2.0	3.5	54	4	4	2.0	3.5	20	4	4	1.5	2.5	26	6	10	1.5	3.0	33	2	6	2.0	4.0	26	0	2	0.5	2.5
11	144	6	4	10.0	15.0	116	4	8	1.5	3.5	76	10	10	1.5	3.0	54	4	2	2.0	4.0	18	4	2	1.0	3.0	24	6	8	1.5	3.0	33	2	8	1.5	3.0	26	0	2	1.5	3.0
12	144	7	5	9.5	14.0	116	4	4	2.0	4.5	76	10	10	2.0	3.5	54	5	4	1.5	3.5	18	6	2	1.5	3.0	22	8	8	1.5	3.0	33	3	6	1.5	4.0	26	0	2	1.0	3.0
13	144	6	4	10.0	14.5	116	5	4	2.5	4.5	78	10	12	1.0	2.5	54	4	4	1.5	3.5	18	6	2	1.5	3.0	24	5	8	2.0	3.5	33	9	5	1.5	3.5	24	2	0	0.5	2.5
14	142	9	3	9.5	14.5	114	6	3	1.5	4.0	76	10	9	1.5	3.0	54	4	2	2.5	4.5	20	6	4	2.0	3.5	27	5	10	1.0	3.0	39	8	8	2.0	4.0	24	2	0	0.5	2.0
15	142	6	4	10.0	16.0	112	8	7	2.0	4.0	80	10	12	1.5	3.5	56	4	6	2.0	4.0	22	7	4	1.5	3.0	32	4	10	1.0	3.5	41	10	7	1.5	4.0	24	2	0	1.0	2.5
16	142	5	5	11.5	16.0	116	4	7	2.5	4.5	80	12	12	3.0	4.5	58	12	6	2.0	4.0	26	14	4	2.0	3.0	42	5	17	2.0	4.5	43	10	8	2.5	4.5	24	2	0	0.5	2.0
17	144	6	5	11.0	16.0	120	4	2	2.5	4.5	82	16	9	5.0	7.5	63	17	6	3.0	6.0	42	8	11	2.0	4.0	48	6	4	2.0	5.0	37	12	4	2.0	4.0	24	0	0	1.0	2.5
18	144	7	4	12.0	17.0	124	3	5	2.5	4.5	84	18	8	5.0	10.0	66	15	4	5.5	9.0	44	11	7	2.5	5.0	48	8	2	2.0	5.0	33	12	4	1.5	3.5	24	0	0	1.0	2.5
19	146	6	5	12.0	17.5	124	5	2	2.0	4.5	86	16	8	7.0	12.0	72	10	7	5.0	8.5	46	8	5	2.5	4.5	48	5	2	3.0	6.0	31	9	2	1.5	3.0	24	0	0	1.0	2.5
20	146	5	4	12.5	18.5	126	4	4	2.5	4.5	90	15	10	8.0	12.5	74	12	8	5.5	10.0	48	7	4	2.5	5.0	48	5	3	2.5	5.0	31	10	2	1.0	2.5	24	0	0	1.0	2.5
21	146	7	2	12.0	18.0	126	4	2	2.5	4.5	88	20	6	7.0	11.5	74	13	6	5.5	9.5	50	8	8	2.5	5.5	46	8	4	3.0	6.0	31	6	2	1.0	2.5	24	0	0	1.0	2.0
22	148	5	4	11.5	17.5	126	5	2	2.5	4.5	90	16	8	8.5	12.5	76	11	9	5.5	11.0	49	6	4	2.5	5.5	46	6	4	3.0	6.0	31	9	3	1.0	2.5	24	0	0	0.5	2.0
23	148	5	2	11.0	17.0	126	5	4	2.5	5.0	90	15	6	9.0	15.0	76	11	7	5.5	10.0	48	8	4	2.0	5.0	46	7	4	2.5	5.0	31	11	2	1.5	2.5	24	0	0	0.5	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Month February 19 64

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	148	5	2	10.5	17.0	127	4	4	*3.0	*5.5	92	11	5	6.0	10.5	76	10	7	5.0	10.0	51	7	4	3.5	6.0	52	2	5	3.0	6.0	32	13	2	1.0	2.5	25	1	1	0.5	2.0
01	148	4	2	11.0	17.5	127	4	6	3.0	5.5	92	11	7	*10.0	*17.0	76	8	9	6.0	10.5	51	4	5	3.0	5.5	50	4	2	2.5	6.0	38	7	8	1.0	2.5	26	0	2	0.5	2.0
02	148	4	1	12.0	18.5	126	4	2	1.5	4.5	92	12	11	9.0	16.5	74	13	9	7.0	11.5	51	5	6	3.5	6.0	52	2	3	3.0	6.5	32	10	2	1.5	3.0	26	0	2	1.0	2.5
03	150	2	2	12.0	19.0	127	4	1	3.0	6.0	88	14	5	10.0	16.0	68	16	4	5.5	9.5	49	12	4	3.5	6.0	48	4	2	4.0	7.0	32	7	2	1.5	3.0	26	0	2	1.5	3.0
04	150	1	2	12.0	18.0	128	4	4	2.5	5.5	87	17	6	9.5	14.0	66	14	5	*5.5	*8.5	49	12	5	3.0	5.0	50	4	2	3.5	6.0	32	7	2	1.5	3.0	26	0	0	1.5	3.0
05	148	4	1	12.0	18.5	128	2	4	*2.0	5.0	82	11	9	8.5	12.5	63	7	4	5.0	8.0	47	10	3	2.5	4.0	48	3	2	2.0	5.0	32	4	2	1.5	3.0	26	0	0	1.5	2.5
06	148	3	2	*12.0	*18.5	128	1	2	2.5	5.0	79	7	5	9.0	14.5	56	5	3	*4.0	*6.5	45	5	7	2.0	4.0	44	2	0	3.5	5.5	38	3	4	1.5	4.0	26	0	0	1.5	3.0
07	148	3	2	11.5	17.5	120	4	1	*1.0	*4.0	68	6	5	*5.0	*7.0	50	4	0	*2.0	*3.5	41	7	8	3.5	6.0	44	2	4	3.5	6.0	35	3	3	1.5	3.5	26	0	2	1.5	3.0
08	144	3	2	12.0	16.5	118	2	3	2.5	5.0	66	15	4	1.5	3.0	50	2	0	*1.0	*3.0	27	2	6	2.0	3.5	34	4	5	2.0	3.5	34	2	2	1.5	3.5	26	0	2	1.0	2.5
09	142	3	2	11.5	17.0	113	3	7	*2.0	*4.5	72	10	10	*1.0	*2.5	50	3	0	*1.5	*3.5	21	5	3	1.5	2.5	30	2	9	1.0	2.5	34	0	4	1.5	4.0	24	2	0	1.0	3.0
10	144	2	4	*12.0	*17.0	113	5	7	*2.0	*4.5	74	12	9	*1.0	*2.5	50	4	0	*2.0	*3.5	21	2	4	2.0	3.0	25	5	4	1.5	3.0	32	2	3	2.0	3.5	24	2	0	1.0	2.5
11	144	2	4	10.0	15.0	116	4	7	2.5	5.0	76	7	12	*0.5	*2.5	50	4	0	2.0	*3.5	19	2	1	1.5	3.0	24	4	9	1.5	2.5	32	2	3	1.5	3.5	26	1	2	1.0	3.0
12	144	2	5	9.5	15.0	116	4	8	2.0	5.0	76	4	12	2.0	3.0	51	3	1	*2.0	*4.0	21	2	4	1.5	3.0	22	5	5	2.0	3.5	32	2	3	2.0	4.0	24	5	0	1.5	2.5
13	144	2	5	9.5	15.0	116	4	11	2.5	6.0	74	4	10	*0.5	*2.0	52	3	2	*1.0	*3.0	19	6	1	2.0	3.5	22	5	5	1.0	2.5	32	5	2	1.5	3.5	24	5	0	1.5	3.0
14	144	1	5	*10.0	*15.0	116	4	6	*2.5	*5.0	74	5	10	*1.0	*2.5	50	4	0	*2.0	*3.5	21	1	3	1.5	3.0	26	3	6	2.0	3.5	38	4	5	1.0	3.0	24	2	0	1.0	3.0
15	142	2	5	*10.5	*15.0	114	3	4	*2.0	*5.0	70	9	6	*1.0	*3.0	51	3	1	*2.0	*3.5	23	2	4	1.5	2.5	29	3	5	0.5	2.0	41	6	6	2.0	5.0	24	0	0	1.0	3.0
16	142	2	7	*11.5	*16.0	114	4	7	*2.0	*5.0	72	11	6	*3.5	*5.5	52	5	2	*2.0	*3.5	23	14	3	1.5	3.0	38	9	4	1.0	3.5	45	7	8	1.5	4.0	24	0	0	1.0	2.5
17	142	2	3	*12.5	*17.5	120	3	2	*2.0	*5.0	83	6	9	*5.0	*8.5	58	6	5	*2.5	*5.0	33	11	2	1.5	3.0	50	5	4	2.5	5.0	44	11	9	2.0	5.0	24	0	0	1.0	2.5
18	143	4	4	*12.0	*18.5	120	6	2	*3.0	*5.5	88	11	9	*4.0	*8.5	66	7	11	*3.5	*6.5	46	6	6	2.0	4.5	51	5	6	2.5	5.5	33	14	3	*1.5	*3.0	24	0	0	1.0	2.5
19	145	3	6	*13.0	*18.0	124	5	3	*2.5	*5.5	88	11	10	*6.0	*10.0	70	7	5	*5.0	*8.0	49	3	9	2.5	4.5	52	2	4	2.0	5.0	32	4	2	1.0	3.0	24	0	0	1.0	2.5
20	145	5	4	*12.0	*18.0	126	4	4	*2.0	*5.0	92	9	5	*5.0	*9.5	74	5	7	*6.5	*11.0	51	4	9	3.0	5.5	50	3	2	2.0	5.0	30	6	2	2.0	3.5	24	0	0	1.0	2.5
21	145	5	3	*12.5	*18.0	126	5	3	*2.5	*5.0	92	11	4	*10.0	*17.0	74	9	7	*5.0	*9.5	51	4	7	2.0	5.0	50	2	4	3.0	6.5	30	11	2	1.5	2.5	24	0	0	1.0	2.5
22	146	5	4	*12.5	*18.5	126	5	4	*1.5	*5.0	92	10	11	*5.0	*8.5	77	7	8	*6.0	*10.0	51	5	7	2.0	4.0	51	5	3	4.0	6.5	33	11	4	1.5	4.0	24	1	0	1.0	2.5
23	146	7	2	*10.0	*17.0	128	3	5	*3.0	*6.0	93	11	7	*5.0	*9.0	76	12	9	*5.0	*10.0	51	7	6	2.0	4.5	50	5	4	2.5	6.0	33	12	3	1.0	2.5	24	2	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month December 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	3	10.0	15.5	129	4	4	4.0	7.5	96	10	6	*8.5	*13.0	81	7	4	6.5	10.0	51	8	4	*6.0	*9.0	51	6	8	7.5	11.5	46	8	12	4.0	6.5	25	0	2	2.5	3.5
01	153	4	2	11.5	15.0	129	4	10	4.0	6.0	98	7	8	8.0	12.0	80	7	4	*7.5	*12.0	51	6	4	6.0	7.5	49	6	4	*5.5	*8.0	47	7	13	3.5	6.0	25	0	2	2.0	4.0
02	153	3	2	10.5	16.0	130	3	7	3.0	5.5	94	11	7	*7.5	*10.5	80	6	6	6.0	9.0	51	6	6	5.0	7.5	51	8	6	5.5	*8.5	44	12	10	*4.0	*7.5	25	2	2	3.0	5.0
03	153	5	2	11.5	18.0	129	6	4	3.5	6.0	97	4	8	8.5	13.0	78	7	5	9.0	13.0	50	7	7	5.0	8.0	51	6	6	*5.5	*9.0	44	10	8	4.5	7.0	25	2	2	3.0	5.0
04	153	4	1	13.0	19.0	129	6	4	4.0	6.0	93	4	8	*8.0	*12.5	76	6	8	5.5	8.5	52	3	5	5.5	8.0	51	6	4	6.5	*8.5	40	14	6	*2.0	*4.0	25	2	2	3.5	4.5
05	153	3	2	13.0	18.0	129	4	4	3.5	6.0	89	10	6	9.0	10.5	71	10	4	*4.0	*7.0	51	4	4	5.0	7.5	51	4	4	*6.0	*10.0	36	16	4	*4.0	*5.5	25	2	2	3.0	4.5
06	153	6	2	12.0	17.5	127	4	4	3.0	5.5	85	4	6	*5.0	*8.0	68	4	2	2.5	5.0	50	3	5	5.0	7.5	47	6	6	5.5	8.5	40	8	4	*4.5	*7.0	25	2	2	3.0	4.5
07	152	1	1	11.5	18.0	123	4	4	3.0	5.0	81	2	2	3.5	6.0	64	4	0	*2.5	*4.0	47	2	2	*4.0	*7.0	46	5	7	5.5	8.0	40	6	4	4.5	7.5	25	2	0	3.0	5.0
08	150	3	3	12.0	18.0	121	2	4	*3.0	*5.5	81	2	2	3.0	5.0	*67			*2.0	*4.0	45	2	4	*3.0	*5.5	39	6	7	3.5	5.5	38	8	4	*4.0	*6.5	25	2	0	3.0	5.0
09	149	4	4	13.0	18.5	*119			*2.5	*5.0	81	4	2	2.5	4.5	68	2	4	3.0	4.0	44	4	5	*4.0	*7.0	37	3	6	*3.5	*5.5	37	8	7	*4.0	*7.0	25	2	0	3.5	4.5
10	147	4	3	12.5	18.0	*119			*3.0	*6.0	81	5	3	3.0	5.0	68	2	2	*2.0	*3.5	45	4	4	*2.0	*4.5	35	5	7	4.0	6.0	36	10	6	*4.5	*8.0	27	2	2	*2.5	*4.0
11	148	5	5	12.0	18.0	121	2	7	2.5	5.5	81	4	2	3.0	4.5	68	3	2	*3.0	*4.0	45	4	6	*4.0	*5.5	35	5	6	*3.5	*5.0	34	2	4	3.5	5.0	27	2	2	2.5	4.0
12	147	6	4	12.0	17.5	121	4	8	4.0	6.5	81	3	2	2.5	5.0	68	2	4	2.5	4.5	45	4	4	5.0	6.0	37	4	7	4.5	6.0	34	2	4	*4.0	*5.0	27	4	2	3.0	5.0
13	147	6	4	12.0	17.0	121	4	8	4.0	6.5	81	4	3	3.0	5.5	68	2	2	2.5	4.0	44	5	5	*4.0	*5.5	36	5	9	3.5	5.0	36	4	4	3.5	6.0	27	6	2	3.0	5.0
14	149	2	8	13.5	19.0	120	3	7	3.5	6.5	80	7	2	3.0	5.0	68	4	4	2.5	4.5	45	6	4	4.5	6.5	37	4	8	4.0	6.0	40	6	6	5.0	7.0	25	4	0	3.0	4.5
15	147	3	6	14.0	19.5	118	5	7	4.0	7.0	81	2	2	3.0	5.0	68	2	2	3.0	4.5	45	4	4	*3.0	*6.0	39	4	8	3.0	5.0	42	10	4	*3.0	*6.0	25	2	0	3.0	5.0
16	144	5	3	15.0	20.5	121	2	6	4.5	7.0	83	10	4	3.5	6.0	70	4	3	3.0	5.0	45	4	4	4.0	7.5	45	4	4	5.5	8.0	46	6	6	*3.5	*5.5	25	2	0	3.0	4.5
17	143	6	4	13.0	19.5	123	3	8	3.5	6.5	89	4	10	8.0	10.5	74	4	6	4.0	6.0	47	6	2	*4.5	*6.0	49	6	6	*4.5	*7.0	44	12	10	*5.5	*9.0	25	2	0	3.0	4.5
18	147	5	4	14.5	20.0	123	4	6	3.5	6.0	91	10	8	*6.0	*8.5	76	4	6	6.0	7.5	53	2	8	5.0	6.5	49	8	4	*5.0	*8.0	41	7	9	4.0	6.0	25	2	0	3.0	4.5
19	149	3	6	14.0	19.5	125	5	5	4.0	7.0	90	14	7	9.0	9.0	77	9	7	5.0	7.0	49	6	2	4.5	6.5	51	8	6	*7.0	*10.0	40	8	6	4.0	6.0	25	2	2	3.0	5.5
20	151	2	6	14.5	20.5	127	2	2	4.5	7.5	93	12	8	9.0	13.5	79	12	5	5.0	8.0	51	6	4	5.0	6.5	50	8	5	*5.0	*7.0	38	14	4	*4.0	*6.0	25	0	2	3.0	4.5
21	149	4	2	14.0	19.0	127	2	6	4.0	7.0	97	6	10	9.0	13.0	82	7	6	5.5	8.0	52	5	3	4.0	7.0	49	6	5	*6.5	*9.5	38	14	6	3.5	4.5	25	2	2	3.5	5.0
22	151	4	3	11.5	18.0	127	4	2	4.0	7.0	97	8	9	9.0	12.0	84	2	7	6.0	9.0	51	4	4	*4.0	*7.5	49	8	8	6.5	10.0	42	8	8	3.5	5.5	25	0	2	3.0	4.0
23	151	4	2	12.0	16.5	127	4	10	4.0	7.0	95	8	4	9.5	14.0	80	8	4	6.0	10.0	53	2	4	*5.0	*8.0	49	8	6	5.0	9.0	44	8	10	4.5	7.5	25	0	2	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Month January 19 64

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	4	2	14.0	20.5	127	6	10	4.0	6.0	93	10	8	7.0	11.0	50	10	4	6.0	8.0	79	6	8	*4.0	*6.5	50	5	7	*3.5	*7.0	36	7	6	*3.0	*4.5	24	2	0	3.0	4.0
01	150	4	4	12.0	18.5	128	5	6	3.0	6.5	93	8	8	7.0	11.0	52	3	7	7.0	11.0	79	8	8	*5.0	*6.5	49	6	7	*5.0	*7.0	36	7	5	*3.0	*4.0	24	2	1	3.0	4.0
02	152	2	4	12.0	18.0	126	7	6	4.5	6.0	89	14	4	6.5	10.0	50	6	4	7.0	12.5	75	11	5	*6.0	*8.0	51	2	6	*5.0	*7.5	36	6	4	*4.0	*5.0	24	2	1	2.5	4.0
03	152	2	3	13.0	19.5	127	5	7	2.5	5.0	89	15	6	8.5	12.0	50	5	6	5.5	9.5	73	10	4	*4.0	*5.5	49	3	5	*4.0	6.0	34	10	4	3.5	5.0	24	2	0	2.5	4.0
04	152	2	4	13.5	20.0	124	6	4	4.0	6.0	85	15	4	6.0	9.5	50	5	3	5.5	8.0	71	8	4	*6.0	*8.0	50	3	5	6.0	8.0	37	5	5	*4.0	*5.0	25	1	1	3.0	4.0
05	150	2	2	14.5	20.0	124	4	3	4.0	6.0	83	16	3	5.0	6.0	51	4	5	6.0	8.0	69	10	4	*6.5	*5.5	51	2	4	*6.0	*8.0	34	13	3	*3.0	*4.0	26	0	2	3.0	4.0
06	150	4	2	14.0	20.0	124	3	7	3.0	4.5	83	3	3	5.0	7.5	50	5	4	3.0	5.0	67	4	4	*6.0	*8.0	47	4	6	5.5	8.0	38	5	4	*5.0	*6.5	26	0	2	3.0	4.5
07	150	4	2	14.5	20.0	118	4	6	4.0	5.5	80	11	2	4.0	7.0	48	4	3	3.0	6.0	66	5	4	*7.0	*9.5	43	6	2	5.0	7.5	39	4	5	*4.5	*7.5	25	1	1	2.5	4.5
08	148	2	2	13.5	19.0	116	8	5	2.5	5.5	86	9	1	3.0	5.0	46	5	4	3.0	5.0	67	4	6	*8.0	*10.0	39	7	4	*4.0	*5.5	37	4	4	*4.0	*6.0	26	0	2	3.0	4.0
09	144	5	3	13.5	19.5	110	7	2	4.0	6.5	81	2	2	3.0	4.5	46	3	6	*2.0	*3.0	70	3	5	*4.0	*6.0	*35			*4.0	*5.5	*34			*4.0	*5.0	26	2	2	*3.0	*4.0
10	145	8	6	13.0	18.5	112	11	8	3.5	5.5	83	6	6	*4.0	*6.5	46	2	8	3.0	4.0	69	4	3	*3.5	*5.0	35	3	3	*4.0	*5.0	35	1	6	*5.0	*7.0	*26			*3.0	*4.0
11	146	7	7	13.0	19.0	114	8	8	4.0	6.0	82	11	4	3.0	5.0	46	7	7	3.0	4.0	69	2	4	*6.0	*8.0	35	5	5	*4.0	*5.5	34	5	5	*4.5	*7.0	26	2	2	3.0	4.0
12	146	7	6	13.0	18.5	116	4	8	3.0	5.5	83	6	6	3.5	5.5	46	6	6	2.0	3.5	69	2	2	3.5	5.0	35	4	5	4.0	6.0	34	4	4	*4.0	*5.0	26	2	3	3.0	4.0
13	146	6	6	14.0	18.5	114	6	7	3.5	5.5	81	8	4	3.0	5.0	46	4	6	2.5	4.0	69	2	4	*4.0	*5.0	35	3	3	4.0	5.0	36	6	6	*4.0	*6.0	26	1	2	*3.0	*4.5
14	144	8	2	13.5	20.0	114	6	4	3.5	5.5	82	9	3	3.0	4.0	46	4	6	2.5	4.0	69	2	2	*4.5	*5.5	35	6	4	4.0	5.5	38	8	6	*3.5	*5.0	25	1	1	4.0	5.0
15	144	6	4	14.0	20.5	110	10	8	3.5	6.0	83	6	4	3.5	6.0	46	5	8	3.0	5.0	65	6	2	4.5	6.0	37	4	4	4.0	5.5	32	6	6	*6.0	*8.5	25	1	1	2.5	4.0
16	144	4	4	16.0	21.0	114	8	6	3.0	5.0	85	10	6	5.0	8.5	46	4	6	3.5	6.0	67	13	4	*4.0	*5.0	34	6	5	5.0	7.0	44	7	6	*3.0	*5.0	25	1	2	3.0	4.0
17	146	6	4	15.0	21.0	118	11	4	3.0	5.0	89	17	8	5.5	8.0	46	6	2	3.5	5.5	69	16	4	*5.0	*7.0	50	3	8	5.0	7.0	41	9	9	*4.0	*6.0	24	2	1	3.0	4.0
18	144	8	2	15.0	21.0	120	12	4	4.0	6.5	89	20	6	9.0	13.0	52	6	8	5.0	7.0	71	16	4	5.0	6.5	51	3	5	4.0	7.0	36	8	6	4.0	5.0	24	2	1	3.0	4.0
19	148	4	1	15.0	20.0	122	8	8	3.0	5.0	93	13	10	10.0	15.0	50	9	6	5.5	8.0	75	12	6	*5.0	*6.5	51	2	8	5.0	8.5	32	10	2	4.0	5.0	24	0	1	3.0	4.0
20	146	6	4	15.0	21.0	123	8	7	4.0	6.0	93	14	8	9.0	13.0	50	8	3	6.0	8.5	77	14	4	5.5	7.5	50	3	5	5.0	7.0	32	14	2	3.0	4.5	24	0	1	3.0	4.0
21	150	6	1	15.0	21.0	124	8	6	4.5	7.0	93	18	10	7.0	12.0	50	8	2	7.0	11.5	77	14	6	5.5	7.5	49	6	6	*5.5	*8.0	32	14	4	*4.0	*5.0	24	0	1	3.0	4.5
22	149	5	3	15.0	21.5	126	5	7	4.0	6.0	96	15	11	7.0	11.0	52	8	5	6.0	9.0	77	12	6	*6.0	*7.5	49	5	6	*6.0	*8.5	32	10	2	*3.0	*4.0	24	0	2	3.0	4.0
23	148	6	2	14.5	20.0	127	4	13	3.0	5.5	95	12	8	8.0	11.0	52	6	5	6.0	10.0	79	8	6	*7.0	*8.5	49	2	7	5.0	7.0	34	14	4	*4.0	*6.0	24	0	1	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Month February 1964

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	149	3	3	12.0	19.0	126	6	3	*4.5	*8.0	97	8	5	8.0	13.0	79	9	6	6.0	11.0	54	6	4	5.0	8.5	54	4	4	4.5	8.0	33	12	2	2.5	4.0	25	2	2	2.5	4.0
01	148	6	2	12.0	18.5	125	8	2	*4.0	*7.0	99	8	12	*9.0	*15.0	79	12	7	7.0	11.0	54	4	6	5.0	7.5	54	4	2	*4.0	*8.0	33	6	2	3.5	5.5	25	2	2	2.0	3.5
02	150	5	3	13.0	20.0	127	8	6	*5.5	*9.0	97	13	14	8.5	14.5	79	12	11	8.0	13.0	54	6	6	4.5	7.5	54	4	2	*6.0	*8.5	33	10	2	*3.0	*4.5	27	2	4	2.0	3.5
03	152	2	3	14.0	21.0	127	6	10	*4.0	*7.0	93	17	11	8.5	13.0	73	20	6	6.0	11.0	52	8	4	5.0	8.0	54	4	6	*5.5	*10.0	33	8	2	3.0	5.0	27	2	4	2.5	4.0
04	152	3	4	14.0	19.5	125	7	2	5.5	8.0	89	22	7	6.0	9.5	69	22	4	4.5	6.5	52	6	4	5.0	7.5	54	4	6	*5.0	*9.0	35	8	4	3.0	5.0	27	2	4	2.5	4.0
05	150	4	3	15.0	20.0	127	4	5	*4.0	*7.0	85	12	6	4.0	6.5	67	8	2	3.0	5.5	50	8	2	*4.0	*6.0	50	8	4	*6.0	*10.0	35	6	4	*4.0	*5.5	27	2	4	*2.5	*3.5
06	151	3	4	14.0	19.5	125	6	8	*3.5	*6.5	83	9	6	4.0	5.5	65	4	4	3.5	5.0	50	6	4	*3.0	*5.0	46	4	2	*4.0	*7.0	39	2	4	*4.0	*6.0	27	2	4	2.5	4.0
07	150	2	5	*14.0	*19.0	123	4	7	*4.0	*7.0	81	6	4	2.5	5.0	64	3	1	3.0	4.5	48	2	4	*4.0	*5.5	44	4	4	*4.5	*7.0	39	2	6	4.0	7.5	27	2	4	2.5	4.0
08	146	4	4	13.5	19.0	117	4	6	*4.0	*7.0	80	5	4	3.0	5.0	65	2	2	*1.5	*3.5	46	4	6	*3.0	*5.0	38	2	2	3.0	5.0	37	2	2	4.0	6.0	27	2	4	3.0	4.0
09	146	2	6	*14.0	*19.5	*113			*4.0	*7.0	82	7	7	*3.0	*5.0	67	6	4	*3.0	*5.0	46	3	4	*3.0	*4.5	36	2	3	*3.0	*4.5	35	4	2	*2.5	*6.5	27	1	4	3.0	4.0
10	146	2	4	*12.5	*17.5	*114			*3.0	*5.5	83	5	6	*3.0	*7.0	71	2	8	*2.5	*4.5	44	2	4	*3.0	*4.0	36	2	4	*3.0	*4.0	33	2	2	*4.0	*6.0	25	4	2	*3.0	*4.0
11	146	3	5	10.5	16.0	117	4	4	*5.0	*8.0	82	4	5	*3.5	*7.5	70	2	8	*2.0	*4.5	45	3	4	*3.0	*4.5	36	2	4	*3.0	*5.0	33	2	1	*5.0	*6.5	25	5	2	*3.0	*5.5
12	148	2	7	12.0	17.5	117	6	6	*3.0	*6.0	83	2	7	*2.0	*4.0	69	2	5	*3.0	*5.0	46	5	5	*2.5	*4.0	36	2	3	*3.5	*5.0	33	2	2	*3.5	*6.0	26	2	3	*2.0	*4.0
13	148	2	7	10.5	16.5	118	5	4	*3.5	*7.0	82	3	5	*3.0	*5.0	69	3	5	*2.0	*3.5	46	4	5	*3.0	*4.0	36	2	3	*3.0	*4.0	35	5	2	*4.0	*7.0	27	4	4	*3.0	*5.0
14	146	2	7	11.0	16.5	115	8	4	*4.0	*7.0	81	4	4	*2.0	*4.0	68	5	6	*2.5	*4.0	46	4	5	*1.5	*4.0	36	5	4	*3.0	*5.5	37	4	2	*4.0	*7.0	27	2	2	*2.5	*4.5
15	146	2	7	12.0	17.5	113	8	5	*3.0	*6.0	81	4	4	*2.5	*5.0	65	6	2	*2.5	*6.0	46	2	5	*3.0	*5.5	38	6	4	*2.5	*6.0	41	6	7	*2.5	*7.0	25	4	2	3.0	4.0
16	142	5	2	13.0	19.0	113	6	5	*4.0	*6.5	83	2	5	*2.5	*5.0	65	5	4	*2.0	*5.0	46	2	4	*2.5	*4.0	42	6	4	*4.5	*7.0	43	6	2	*3.5	*6.0	25	2	2	*1.5	*3.0
17	144	4	3	13.5	19.0	119	4	3	*3.5	*7.0	85	8	4	*4.0	*7.5	67	9	5	*4.0	*7.0	46	6	2	*3.0	*4.5	53	3	5	*5.0	*8.5	45	7	4	*4.5	*8.0	23	4	2	*2.0	*3.0
18	145	6	3	13.5	18.5	121	7	4	*4.0	*7.5	89	12	8	*7.5	*6.5	71	13	8	*4.0	*8.5	50	9	4	*3.0	*5.5	54	2	2	*5.0	*8.0	41	10	10	*3.5	*6.0	25	4	2	*2.0	*3.5
19	146	4	5	14.0	20.0	121	6	2	*3.0	*6.0	89	15	6	*5.0	*8.0	73	13	6	*4.0	*7.5	52	4	4	*5.0	*7.0	54	4	2	*5.0	*9.0	33	10	4	*4.0	*5.0	25	2	4	*1.5	*3.5
20	148	2	7	*14.0	*21.0	*125	3	9	*4.0	*6.0	92	10	5	*6.5	*10.5	77	10	8	*5.0	*10.0	52	4	4	*5.5	*8.5	52	4	4	*5.5	*8.5	33	8	4	*3.0	*5.0	25	2	2	*2.0	*3.0
21	146	6	4	*15.0	*20.0	*125	4	7	*4.0	*7.0	95	4	6	*6.0	*10.0	79	4	8	*5.0	*9.0	54	2	4	*5.0	*7.5	52	6	4	*5.0	*9.0	33	4	4	*3.0	*5.0	25	2	2	*2.0	*3.5
22	148	6	6	14.5	20.5	*125	5	8	*4.0	*7.0	97	8	7	*6.5	*10.5	79	10	6	*6.0	*11.0	54	4	4	*6.0	*9.0	52	4	2	*5.0	*8.0	44	3	15	*3.0	*4.5	25	2	2	*1.5	*3.0
23	150	5	5	15.0	20.0	*125	6	6	*5.0	*8.0	98	10	5	*8.5	*13.0	81	9	8	*5.0	*10.0	54	6	4	*5.5	*9.0	54	4	4	*6.0	*10.5	37	8	8	*3.0	*5.0	25	2	4	*2.0	*3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month December 1963

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	161	5	4	10.5	16.5	137	4	6	11.0	18.0	114	4	8	8.0	15.5	92	8	7	7.0	12.5	66	6	6	6.0	11.0	57	4	3	5.0	8.5	45	2	4	5.0	7.5	21	4	0	*3.0	*4.0
01	161	5	6	10.0	16.0	137	4	6	10.0	17.0	112	5	5	8.5	15.5	90	8	4	8.0	14.5	64	6	4	5.5	10.0	57	4	2	6.0	8.0	45	2	4	5.0	9.0	21	2	0	*3.0	*4.0
02	159	4	2	10.5	17.0	135	6	4	11.0	17.5	112	6	6	9.5	17.5	90	10	6	9.0	17.0	64	6	4	6.0	11.5	57	4	2	5.5	8.0	43	2	4	5.0	9.0	21	2	0	*5.5	*6.5
03	161	2	6	11.5	18.0	135	4	6	10.0	16.5	110	5	6	9.5	16.5	88	9	7	10.5	19.5	64	6	6	6.0	11.0	57	3	4	5.0	8.0	41	4	4	5.0	8.0	21	2	0	*2.5	*3.0
04	159	4	4	11.0	18.0	133	6	4	9.5	16.5	110	5	7	9.5	17.5	82	9	9	10.0	18.0	64	3	8	6.0	11.0	57	2	4	4.5	8.0	39	6	4	5.0	8.0	21	1	0	*2.5	*3.0
05	159	3	8	12.0	19.0	125	7	4	12.5	19.0	90	10	8	12.5	20.0	50	17	5	*3.0	*5.0	58	5	5	6.5	11.0	53	4	4	4.5	7.5	41	2	6	3.0	5.0	21	2	0	*2.5	*3.5
06	157	2	6	11.5	18.0	123	8	4	12.0	20.0	84	12	13	13.5	22.0	44	24	4	*7.5	*17.0	42	8	9	7.0	12.0	43	5	9	6.5	11.0	39	4	4	5.5	8.5	23	0	2	*2.5	*3.0
07	155	5	4	13.0	19.5	121	6	9	12.5	20.0	84	12	15	14.0	23.0	44	18	4	4.5	6.0	30	9	10	7.5	12.0	33	10	10	8.0	13.0	33	5	3	5.0	8.0	23	0	2	*2.5	*3.5
08	157	2	6	13.5	20.5	121	8	6	13.0	21.0	85	13	12	12.5	19.5	45	22	5	*4.0	*6.0	20	6	0	*5.0	*6.5	29	6	10	*8.5	*11.5	31	2	4	5.0	8.0	23	0	2	*2.5	*3.0
09	157	2	8	14.5	21.5	125	4	10	14.5	22.0	88	14	14	13.0	21.0	48	22	8	4.5	8.5	20	2	0	5.0	6.0	22	14	5	6.0	11.0	29	4	2	4.0	5.5	23	0	2	*2.5	*4.0
10	157	2	7	14.0	21.5	125	6	11	14.0	21.0	88	20	12	14.5	22.0	46	28	4	*9.0	*22.0	20	8	0	*4.0	*5.0	21	13	6	7.5	11.0	27	8	2	4.5	6.0	23	0	2	2.5	4.5
11	157	2	8	13.0	21.0	126	5	8	11.5	20.0	92	12	15	10.5	18.0	50	17	10	*9.0	*10.5	20	4	0	*4.0	*7.0	21	11	6	7.0	11.0	29	4	4	3.5	5.0	23	2	2	3.0	4.5
12	159	3	7	13.5	20.5	129	4	7	11.5	18.0	96	10	10	10.5	17.0	52	30	11	*8.0	*11.5	20	5	0			21	14	5	4.0	7.0	31	5	6	5.0	7.0	23	2	2	3.0	4.5
13	161	3	6	11.5	19.0	131	5	5	9.0	15.5	100	15	13	7.5	13.0	54	30	12	*9.0	*17.0	20	5	0	*3.5	*4.5	25	9	6	*4.5	*7.0	33	6	6	*4.0	*6.0	23	8	2	*3.0	*4.5
14	161	8	8	9.0	14.0	132	10	7	7.5	13.5	102	14	9	8.5	14.0	56	30	8	9.0	16.0	*20			*4.0	*5.0	28	14	5	*5.5	*8.0	36	5	7	4.5	6.5	27	4	4	3.5	5.0
15	163	5	4	8.0	14.0	133	6	4	6.5	11.0	105	12	10	8.5	13.0	60	29	10	8.0	15.0	22	20	2	5.0	7.5	35	11	6	5.0	8.0	41	5	6	4.0	7.0	29	3	4	3.5	5.0
16	163	5	4	8.5	13.5	133	7	6	7.5	12.0	104	16	7	8.0	14.0	61	28	9	9.5	16.0	30	28	8	5.0	7.0	41	11	5	4.5	7.0	45	5	6	4.5	7.0	29	6	4	3.5	5.0
17	163	5	4	8.5	14.0	133	9	6	7.5	12.5	106	14	13	8.0	12.0	66	26	13	7.0	13.0	40	14	7	4.5	7.0	49	8	7	4.0	7.0	47	4	4	4.5	7.0	27	4	2	3.5	5.0
18	161	7	3	8.5	14.0	133	7	6	8.0	13.0	106	14	9	9.0	15.5	79	13	12	7.0	13.0	52	10	5	4.0	6.5	55	6	6	4.5	7.5	49	3	3	4.5	6.5	25	6	2	3.5	5.0
19	159	7	4	9.5	15.5	133	9	6	9.0	14.5	112	10	6	7.5	13.5	90	9	9	6.5	12.0	64	6	8	4.5	8.0	59	6	4	4.5	7.0	49	3	4	4.5	7.5	25	4	2	3.0	5.0
20	161	6	4	10.5	17.0	137	6	6	8.0	14.0	114	9	6	7.0	12.0	94	7	9	7.0	12.0	68	5	4	4.0	8.0	61	4	4	4.5	9.0	47	4	2	5.0	8.0	23	4	0	3.0	4.5
21	161	7	4	11.0	17.0	137	6	6	9.0	15.5	112	11	4	7.5	14.0	94	9	5	6.5	12.5	68	6	4	5.0	10.0	59	6	3	4.5	8.5	47	2	4	4.5	8.0	23	2	2	3.0	4.0
22	161	6	4	11.0	17.0	135	9	4	8.5	15.0	114	7	7	7.5	14.0	94	8	6	6.5	12.0	66	7	3	5.0	9.0	59	4	4	6.0	10.0	45	2	2	5.0	9.0	21	4	0	*3.0	*4.0
23	161	7	4	10.0	16.5	137	7	7	9.0	16.0	114	7	8	7.5	13.5	96	7	9	7.0	14.0	66	6	3	6.0	10.0	59	4	4	5.5	9.5	45	2	4	5.0	8.5	21	2	0	3.0	3.5

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month January 19 64

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	157	8	3	10.5	16.0	134	6	6	9.5	17.0	108	8	4	10.0	18.0	92	6	9	8.5	17.5	67	4	11	7.5	13.0	59	4	6	6.5	11.0	41	9	5	6.0	9.5	22	2	0	*2.5	*3.5
01	157	6	3	9.5	16.0	133	6	4	10.0	18.0	110	8	6	10.0	18.5	91	7	10	9.5	17.0	65	6	10	8.0	15.0	58	3	8	5.5	10.0	39	8	5	5.0	8.0	22	2	0	*3.0	*3.5
02	159	3	5	10.0	16.0	134	5	6	11.0	18.5	110	8	6	10.5	19.0	90	6	10	9.0	16.5	65	6	8	7.5	11.5	57	4	6	5.0	9.0	37	6	6	5.0	7.0	22	2	0	*3.0	*3.5
03	157	5	2	10.0	16.5	134	6	6	12.0	19.5	108	10	4	11.0	20.0	90	6	12	9.5	18.5	65	7	8	6.0	12.0	59	5	8	4.5	8.0	36	11	5	4.0	6.0	22	2	0	*2.5	*3.5
04	157	6	2	12.0	19.0	134	6	8	11.5	19.5	110	7	11	12.5	21.5	88	5	12	9.5	18.0	64	7	9	7.5	13.0	57	4	8	5.0	9.0	33	8	4	4.5	7.5	24	0	2	*3.0	*3.5
05	157	5	4	11.0	19.0	127	6	5	*12.0	*19.0	96	11	10	*13.0	*20.5	58	16	12	*13.5	*23.0	61	8	8	7.5	13.0	55	7	6	5.0	9.0	33	7	2	*3.0	*5.0	24	0	2	*2.5	*3.5
06	155	4	2	11.0	18.5	124	8	8	12.0	19.5	80	19	6	*12.5	*23.0	44	30	2	*10.0	*17.5	45	12	10	8.5	15.0	47	5	9	6.0	9.0	37	6	4	3.5	6.0	24	0	2		
07	155	3	5	13.0	20.0	120	8	7	13.0	21.5	78	20	9	*14.5	*22.5	45	26	3	*9.0	*16.0	33	10	8	7.5	13.0	34	15	9	7.0	11.5	34	11	3	3.5	6.0	22	2	0		
08	155	4	6	14.0	21.0	118	8	6	14.0	22.5	80	20	11	13.5	20.0	46	22	4	*10.5	*15.5	26	10	3	*9.0	*13.0	25	17	4	9.0	13.5	31	9	4	5.0	7.0	22	2	0	*3.0	*3.5
09	153	6	5	14.0	22.0	118	10	8	*15.0	*24.0	80	26	10	*15.0	*21.5	*50			*8.5	*13.5	*25			*3.0	*5.0	23	19	6	*6.5	*10.0	29	6	4	4.5	6.5	22	2	0	*2.5	*4.0
10	153	8	4	15.0	23.0	120	10	8	16.0	25.0	84	15	16	*12.0	*16.5	48	34	6	*5.5	*8.0	*26			*5.5	*8.0	23	15	6	7.0	10.5	27	6	2	3.5	5.5	22	2	0	*3.0	*3.5
11	154	7	5	15.0	23.0	121	11	5	15.0	24.5	84	22	10	*12.0	*13.0	*53			*6.5	*8.5	*26			*7.5	*11.5	23	16	6	5.0	7.0	27	7	2	4.0	5.5	22	2	0	*3.0	*4.0
12	155	8	6	15.0	23.0	126	8	8	14.0	23.0	90	16	6	8.5	16.5	51	33	9	*6.5	*9.0	*27			*6.0	*8.5	23	16	6	10.0	15.0	27	8	2	4.0	6.0	24	2	2	*3.0	*5.0
13	157	6	6	13.5	21.0	126	6	6	11.0	19.5	93	9	7	6.5	13.0	*53			*4.5	*8.0	*27			*6.5	*10.0	24	11	6	*5.0	*9.5	28	7	3	*3.5	*6.5	24	4	0	*3.0	*5.0
14	159	4	4	11.0	19.5	130	6	7	*11.5	*19.5	94	15	6	8.0	16.5	54	18	12	4.5	8.0	*26			*5.5	*8.0	27	8	8	*4.5	*8.0	31	7	3	4.0	7.0	25	3	1	3.5	5.5
15	159	4	4	10.0	15.5	130	4	4	7.0	11.5	100	11	12	9.0	15.0	56	14	12	4.5	8.0	25	19	2	*13.0	*18.0	31	11	7	6.5	10.0	35	5	6	4.0	7.0	26	4	2	3.0	5.0
16	161	3	5	8.0	14.0	130	4	5	8.0	13.5	100	9	13	9.0	14.0	58	20	14	6.0	9.0	27	12	4	*3.5	*6.0	37	8	6	5.5	9.0	39	5	3	4.5	7.5	26	4	2	4.0	6.5
17	160	4	4	8.5	15.0	130	4	7	7.5	13.0	101	9	12	8.0	15.5	59	21	10	6.0	10.0	37	12	9	5.5	8.0	45	6	6	6.0	10.5	43	4	4	4.0	7.5	24	5	2	*3.0	*5.0
18	159	3	4	9.0	15.0	131	4	7	8.0	14.0	102	8	6	7.5	13.0	72	11	12	5.5	11.0	50	9	8	5.0	9.0	51	6	7	5.0	9.0	45	3	4	4.5	8.0	24	2	2	*3.0	*4.5
19	158	6	4	9.0	15.5	132	5	7	9.0	13.5	110	4	6	7.0	14.5	86	7	12	6.0	12.5	61	5	9	5.0	9.0	58	5	7	5.0	9.5	45	3	3	5.0	9.5	24	0	2	*3.0	*5.0
20	158	7	3	11.0	18.0	134	6	5	9.0	16.5	112	5	6	8.0	16.0	90	6	9	7.5	15.0	67	4	10	7.0	12.0	59	4	7	5.0	9.5	45	3	4	4.5	8.0	22	2	0	*2.5	*4.0
21	159	6	4	11.0	17.5	134	6	5	10.0	17.0	110	6	4	7.5	15.0	92	4	9	*7.0	*15.0	67	6	10	6.0	12.0	59	8	7	6.0	11.5	43	7	3	5.0	9.0	22	0	0	*2.5	*4.0
22	159	5	4	11.0	18.0	134	5	5	9.0	16.0	110	6	5	8.5	16.5	92	5	9	6.5	12.0	67	5	9	6.5	11.5	58	5	7	6.0	10.0	43	8	2	6.5	9.5	22	0	0	*2.5	*4.0
23	158	6	5	10.5	16.5	134	6	6	9.0	15.5	110	7	4	9.5	18.0	92	6	10	9.0	17.0	66	7	9	7.5	13.0	56	6	5	6.5	11.0	43	5	4	*5.5	*10.0	22	2	0	*4.0	*6.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Month February 19 64

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	159*	2	4	11.0	17.0	133	2	4	10.0	18.0	111	4	5	9.0	17.0	94	5	5	8.0	16.5	65	6	6	5.0	11.0	57	4	4	6.0	10.0	42	4	4	5.0	8.5	22	0	0		
01	159	2	4	10.0	15.5	133	4	4	10.5	18.0	109	6	4	9.0	16.5	91	7	3	9.0	15.5	65	4	5	7.5	13.0	57	2	4	5.5	10.0	42	6	3	5.5	8.5	22	0	0	2.5	2.5
02	158	3	3	9.5	15.5	134	4	5	11.0	18.0	109	6	3	9.0	18.0	91	6	3	9.0	17.5	65	3	6	6.0	12.0	55	4	2	5.5	9.5	42	3	4	4.5	7.5	22	0	0		
03	159	2	4	10.5	17.0	133	2	5	10.0	17.0	109	6	4	9.5	18.5	91	6	6	8.0	17.5	65	4	6	5.0	11.5	57	4	2	5.5	10.0	38	7	2	4.5	6.5	22	0	0		
04	157	4	2	11.0	18.0	131	5	4	10.5	19.0	106	8	3	10.0	18.0	87	7	7	10.0	19.0	63	7	4	7.0	13.0	56	3	1	*5.5	*10.5	36	6	3	*3.5	*5.0	22	1	0		
05	157	4	2	11.0	17.0	129	5	4	11.0	18.0	103	8	6	10.5	18.0	75	12	11	*13.0	*21.0	61	7	4	7.0	13.0	55	4	4	*6.0	*10.0	38	5	6	*3.0	*4.5	22	0	0		
06	157	2	2	10.5	16.5	123	7	5	11.0	17.0	85	6	10	*11.0	*18.0	45	33	4	*8.5	*12.5	53	6	7	*8.0	*14.0	49	5	4	*4.0	*8.0	42	5	4	3.0	5.5	22	0	0	2.5	4.0
07	154	3	2	10.5	17.5	120	9	7	12.0	19.0	79	16	12	*16.0	*24.0	44	11	5	*5.0	*7.0	34	9	6	*8.0	*13.0	37	7	7	*7.0	*10.5	38	3	4	4.0	6.0	22	0	0		
08	153	4	2	13.0	21.0	117	10	7	14.0	21.0	77	12	8	11.5	21.5	43	16	4	*6.0	*7.5	23	10	4	*6.0	*8.5	29	10	10	7.5	10.0	34	6	2	*3.5	*5.0	22	0	0		
09	153	4	2	13.0	20.0	117	10	6	11.5	24.0	78	18	8	*15.0	*24.0	43	19	2	*5.5	*7.5	21	9	2	*7.0	*9.5	21	12	4	*7.5	*10.0	30	6	2	*3.0	*5.0	22	8	0		
10	153	4	4	14.0	21.5	119	11	10	*15.0	*23.5	81	31	11	14.5	21.0	43	18	4	*10.0	*17.0	21	6	2	*5.0	*6.5	21	11	6	*6.5	*9.0	28	6	1	*3.0	*5.0	22	3	0	2.5	4.0
11	154	3	5	15.0	22.0	117	11	6	15.0	24.0	83	11	16	15.0	21.0	43	15	4	*4.0	*6.0	21	10	2	*6.0	*8.0	19	6	4	*6.5	*8.5	28	6	2	*5.5	*14.0	22	6	0		
12	155	2	6	14.0	22.0	121	6	8	13.0	22.0	85	16	8	10.5	19.5	43	42	4	*6.5	*9.0	19	9	0	*4.5	*6.0	17	12	4	*5.5	*7.5	28	8	2	*4.0	*6.0	24	16	2		
13	155	4	4	12.0	20.0	124	9	7	9.5	18.0	*89			*6.5	*12.5	*45			*4.5	*7.0	19	2	0	*7.0	*11.0	21	12	6	*6.0	*9.0	*30			*5.0	*8.5	*26				
14	*159			*10.0	*16.5	*129			*7.5	*14.0	93	16	11	7.0	13.0	45	23	4	*5.5	*9.0	*19					*27			*5.0	*7.5	34	4	5	*5.0	*7.0	24	2	2	3.0	4.0
15	159	4	4	8.5	15.0	129	4	7	6.0	12.0	94	10	11	6.0	11.0	47	19	5	5.0	7.5	21	16	2	*5.0	*8.0	31	11	8	6.0	9.5	38	4	6	4.5	8.0	25	14	3	3.0	5.0
16	159	4	5	8.0	14.0	128	4	6	6.0	11.5	95	10	10	6.0	10.0	51	18	9	5.0	8.0	25	6	6	*6.0	*8.0	36	10	7	*6.0	*10.0	41	5	5	5.0	8.0	26	10	4	3.0	5.5
17	159	4	3	7.0	13.5	128	3	5	6.0	11.5	95	9	12	5.5	10.5	57	13	8	5.0	9.0	38	5	8	5.5	9.5	43	9	6	5.0	11.0	44	6	4	5.0	9.5	26	4	4	3.0	5.0
18	157	4	2	8.0	15.0	129	4	4	7.0	12.5	103	4	10	5.5	10.5	79	6	8	4.5	10.5	51	6	6	7.0	12.5	51	6	4	5.5	9.5	46	5	2	5.0	8.0	26	14	4	3.0	5.0
19	157	4	2	9.0	15.5	131	4	6	7.0	13.0	109	4	4	4.5	9.5	91	6	6	6.0	11.5	63	6	6	*5.5	*11.0	57	6	4	*4.0	*8.5	48	7	4	5.0	8.5	24	10	2		
20	160	3	5	10.0	16.5	133	4	6	8.0	15.5	111	5	3	6.0	12.5	95	4	6	6.5	15.0	67	6	4	*5.5	*11.5	59	5	3	6.0	10.5	46	15	4	4.5	9.0	22	4	1	5.0	8.5
21	159	5	4	11.0	19.0	133	4	4	9.0	16.0	110	5	7	7.5	15.5	94	7	5	6.5	14.0	67	5	4	6.0	12.5	61	6	6	4.5	9.0	46	13	4	5.0	8.5	22	0	2		
22	158	6	3	11.0	17.0	135	2	7	10.0	18.0	111	4	6	8.5	15.5	94	6	6	8.0	15.0	65	8	4	5.0	12.5	57	6	3	6.5	12.0	44	11	4	5.0	9.0	22	0	0	3.0	5.0
23	157	6	2	11.5	18.0	133	4	4	9.5	19.0	111	3	5	8.5	17.0	93	4	5	8.5	17.5	65	6	6	6.5	13.0	57	5	4	5.5	11.5	42	12	3	5.0	9.5	22	0	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 112.5-127.5W Month December 19 63

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	153					119					88					67					55			9.5	15.5	53			4.5	8.0	39			4.0	7.0	27			1.0	2.5
01	155					117					90					73					53			6.5	11.0	53			3.0	6.0	39			3.0	6.0	25			1.0	2.5
02	159					121					92					67					53			5.5	9.5	51			5.0	8.0	39			2.0	4.0	27			1.0	2.5
03	155					117					81					49					49					49			3.5	5.5	39			1.5	3.0	27			1.0	2.5
04	155					113					67										33					41					35			3.0	5.5	29			2.0	3.0
05	155					111					66										23			2.5	4.5	35					33			2.0	3.0	27			2.0	3.0
06	153					107					66					49					21					31					31			2.5	4.5	27			1.0	2.5
07	151					107					67					55					23					31			6.0	7.5	29			1.0	3.0	27				
08	145					108										69					27					31					29			1.0	1.0	27			1.5	3.0
09	150					105					63					62					33			1.5	3.0	29			6.5	10.0	29			1.0	2.0	27			1.0	3.0
10	151					109					67					71					30			1.0	2.5	30			4.5	7.0	28					27			1.5	3.0
11	151					108					73					72					25			1.5	3.0	27			6.0	7.5	29			1.5	2.5	27			1.5	2.5
12	153					111					73					72					29			2.0	3.5	29			5.0	7.0	29			1.0	2.5	27			1.0	2.5
13	152					109					77					84					34			1.5	3.0	29			6.5	8.5	29			2.5	4.5	27			1.0	2.5
14	152					108					76					70					33			1.5	3.0	29			6.0	8.0	30			1.5	3.0	27			1.0	2.5
15	150					103					78					73					27					28			3.0	5.0	29			1.5	3.0	27			1.0	2.0
16	149					107					74					74					29			1.5	2.0	34			4.0	7.0	35			3.0	5.0	28			2.0	3.5
17	148					107					79					76					28					40			3.5	6.5	39			2.5	4.5	29			2.0	4.0
18	148					109					76					73					38			5.0	8.0	49			2.5	5.0	43			2.5	4.5	28			2.0	3.0
19	150					112					82					74					46			2.5	4.5	54			2.5	4.0	42			3.5	6.0	29				
20	150					117					92					81					54			4.0	8.0	56			3.5	7.0	44			4.0	7.0	29				
21	149					119					94					76					56			4.0	8.0	59					42			4.0	7.0	29			1.5	3.0
22	151					121					94					74					56					56			5.5	9.5	41			4.0	6.5	27			1.5	3.0
23	151					121					93					72					56					54			4.0	7.0	40			4.5	8.0	26			1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 97.5-112.5 W Month December 19 63

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	151			12.0	17.0	123			8.0	13.0	96			6.5	12.0	73			5.0	8.5	59					55					41					27				
01	149			8.5	14.0	113			7.5	10.5	94			8.0	13.5	69			5.5	9.0	61					55					37					27				
02	147			11.0	17.0	117			9.5	14.0	88			9.5	16.0	63			8.0	14.0	59					53					37					25				
03	149			11.5	18.0	115			8.5	13.0	80			15.0	21.0	49			5.0	9.0	53					51					39					27				
04	141			11.0	17.0	105			10.0	14.0	68					57			2.0	5.5	45					47					35					27				
05	133			10.5	17.0	99			13.5	18.0	68			4.5	7.0	61			5.0	12.0	29					43					31					27				
06	141			11.5	17.0	105			12.0	18.5	64										25					31					31					26				
07	147			9.5	15.5	98			9.0	13.0	64			8.0	11.0	51					25					25					29					27				
08	145			11.5	18.0	104			11.0	17.0	66			6.5	11.0	50					25					26					29					27				
09	151			10.5	16.0	107			7.5	12.5	70					45			2.0	3.0	33					27					29					26				
10	149			9.0	15.0	110			6.0	10.5	70					65			3.5	7.0	33					28					29					26				
11	153			10.0	16.0	112			6.5	11.0	71					78			2.0	5.0	31					33					27					25				
12	147			9.0	14.0	110			6.5	10.5	67					73			3.5	7.5	25					29					27					26				
13	154			10.0	15.5	112			9.0	14.0	73			7.0	9.0	73			3.5	7.5	29					28					27					26				
14	152			9.0	14.0	110					78			11.0	14.5	69			2.0	3.0	37					28					28					27				
15	151			10.0	15.0	111			10.0	17.0	78					69					28					34					31					27				
16	150			12.0	19.0	109			11.5	19.0	76					78			3.0	7.0	28					38					40					27				
17	150			14.0	20.5	109			10.5	17.0	76					75			4.0	7.0	29					35					35					27				
18	148					107			9.0	14.0	77					75			4.0	7.5	39					42					39					25				
19	149			12.0	19.0	108					77			3.5	5.5	75			3.0	6.0	46					51					43					26				
20	147			12.0	18.5	112			7.0	10.5	86					77			3.0	5.0	50					55					43					27				
21	149			10.0	16.0	121			7.5	12.5	94			8.0	14.5	74			5.5	9.5	53					55					42					27				
22	149			5.5	7.5	114					92			9.0	15.0	72			4.0	7.5	56					55					41					28				
23	150			11.0	16.0	116			8.0	13.0	90			7.0	13.0	70			5.5	8.5	57					54					40					27				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 97.5-112.5 W Month December 19 63

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	149			13.0	19.5	127			8.5	15.0	96			8.0	17.0	65					65					61					45					25				
01	149			13.0	19.5	125			8.5	13.5	100			3.0	5.5	73					71					59					49					31				
02	145			12.5	20.0	113					82					61			15.0	21.0	57					53					37					27				
03	151			13.5	21.0	113					80			18.0	25.0	49					53					47					37					27				
04	151			14.0	22.0	109					68										41					43					35					31				
05	149					109								5.5	9.5	49					39					37					33					31				
06	141			11.0	18.0	109			11.0	18.5	62										41					29					31					27				
07	151			10.5	17.0	111					68					49			1.5	2.5	23					29					29					27				
08																65																				27				
09	151			12.0	19.0	109					68					51					31					25					29					29				
10	153			13.0	20.0	115			11.5	18.5	64					67					27					25					27					27				
11	153			11.5	18.5	117			7.5	14.0	80					79					29					31					27					25				
12	147					116			4.0	6.0	79					68					27					28					27					26				
13	156			9.0	15.0	110			7.0	12.5	74					72			3.0	7.0	28					28					30					27				
14	155			9.5	15.0	108			6.0	11.5	72					63					37					30					33					30				
15	145			10.0	16.5	112			8.0	14.0	75			6.0	11.0	64			2.5	5.0	25					30					36					28				
16	153			11.0	17.5	113			6.0	11.0	79			3.5	5.0	79			2.0	5.0	26					32					43					30				
17	152			11.5	16.0	113			9.5	14.5	77			2.5	4.0	76			3.5	6.0	34					40					41					28				
18	148			11.0	17.5	110					82			3.5	6.0	74			2.5	5.5	46					50					43					28				
19	149			12.5	20.0	113			6.5	12.5	89			5.5	10.5	71			2.0	5.0	57					37					44					26				
20	145			12.5	19.0	123			8.0	14.0	96			6.5	12.0	75			3.0	5.0	61					39					44					27				
21	150			13.0	19.5	124			9.0	14.0	100			7.0	13.0	75			4.0	7.0	61					40					44					26				
22	152					125			7.0	11.0	101			8.0	18.0	71			7.5	14.5	62					40					45					27				
23	153			14.0	20.0	126			8.0	13.0	98			8.5	18.0	71			3.5	7.0	61					40					44					25				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 82.5-97.5 W Month December 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	148			13.0	19.0	120			4.0	6.0	94					69			6.5	9.0	57					52					40					26				
01	145			14.0	21.0	119					89			11.5	19.0	68			5.5	9.0	57					51					39					25				
02	150			15.0	22.5	117			7.5	10.5	86					65			10.0	16.5	54					51					37					26				
03	147			15.0	22.0	117					82			12.5	20.0	61			6.5	10.0	49					50					35					27				
04	144			16.5	23.5	107			13.5	21.0	78			13.0	20.5	59			5.5	9.5	45					49					37					27				
05	144			12.5	20.0	108			9.0	13.0	66			5.0	8.0	65			1.5	3.5	36					42					33					26				
06	145			10.0	15.0	103			11.5	15.0	68					63			3.0	6.5	28					32					31					27				
07	144			11.5	19.0	103			13.5	22.0						59					24					28					29					27				
08	142			13.0	20.0	97			14.0	20.0	66					59					27					27					29					27				
09	141			13.0	20.0	105			14.5	23.0											28					27														
10																																								
11	150			12.0	19.0	110			15.0	23.0	69			11.0	14.0	57					42					38					29					28				
12	151			13.0	20.5	112			12.0	20.0	72					52					27					29					29					27				
13	153			13.0	20.0	113			13.0	21.0	64			10.0	15.0	59			1.0	3.0	30					27					27					27				
14	149			12.5	20.0	109			12.0	19.0	70			5.5	8.5	57			2.5	5.0	35					27					27					27				
15	149			11.0	16.0	107			9.5	16.0	66			6.5	9.0	57			3.0	5.0	25					31					29					27				
16	145			13.0	20.0	99			14.5	20.5	67			3.0	4.5	49			3.0	4.5	33					29					31					27				
17	145			13.0	20.0	103			16.0	23.0	64			7.0	10.5	65			3.5	7.0	31					33					35					25				
18	143			11.0	15.5	105					71			4.0	6.0	63					37					45					39					25				
19	141			12.0	17.0	109					84			7.0	17.0	67			5.0	9.0	45					53					41					25				
20	143			10.0	18.5	117			8.0	13.0	98			6.0	11.5	69					53					59					41					27				
21	145					111					88			10.0	19.0	67			9.5	19.0	53					53					41					33				
22	141			10.5	16.0	115					92			8.0	14.5	63					55					57					37					29				
23	141			12.5	20.0	119			6.0	9.0	86			8.0	15.0	70			7.5	12.0	56					56					39					27				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5 W Month December 19 63

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	156					132					107					90					71					57			5.0	9.0	38			5.5	8.0	26			2.0	3.5
01	157					134					110					88					73			6.0	11.0	59			4.0	7.0	39			4.0	7.0	26			2.0	3.0
02	157					133					111					85					73			6.0	10.0	59			5.0	9.0	39			4.5	8.0	26			2.0	3.5
03	157					131					100					77					73			6.5	11.0	59			6.0	10.0	45					25			2.0	3.5
04	158					126					84					73					62			6.0	10.0	52			5.0	8.0	39			4.5	7.0	25			1.0	2.5
05	156					121					81					74					52			4.5	8.0	47			5.0	9.0	37			5.0	8.0	26			2.0	3.0
06	155					116					84					79					42			6.0	10.0	43			5.5	9.0	34					26				
07	154					113					85					78					34			4.0	6.0	39			6.0	10.0	30			3.0	5.5	27			2.0	3.5
08						103					87					81										33					30			2.0	3.5	29				
09	154					120					89					81					34			2.5	4.5	35			5.5	8.5	28					28			2.0	3.5
10	153					123					98					97					35			2.0	3.5	31			8.0	10.5	27			3.0	4.5	27			2.0	3.0
11	155					125					102					99					37			2.5	4.0	29			6.5	10.0	27			3.0	4.5	31			2.0	3.5
12	159					129					96					97					35			2.5	4.5	33			7.0	10.0	31			3.5	5.5	27			2.5	4.0
13	161					129					94					97					33					33			6.0	8.0	29			2.5	5.0	29			3.0	4.0
14	161					129					92					97					31			2.5	4.0	35			5.5	9.0	31			2.5	4.5	31				
15	161					127					88					87					37			2.0	3.0	37			6.0	9.0	33			3.0	5.5	31			2.0	3.5
16	159					125					92					91					35			3.0	5.0	39			6.5	10.0	35			4.0	6.5	29			2.5	3.5
17	159					125					84					87					45			1.0	1.0	45			5.0	7.5	35			5.0	7.5	29			2.5	3.5
18	155					121					84					85					59			5.0	8.0	51			3.5	6.0	37			3.5	5.5	29			2.0	4.0
19	153					121					100					87					67			5.0	9.0	57			3.0	5.5	39			3.5	6.0	29			2.0	3.5
20	155					129					106					89					69			5.0	8.5	61			4.5	8.0	39			4.0	6.5	29			2.5	4.0
21	157					133					106					89					73			4.0	7.0	63			1.5	3.5	39			3.5	6.0	29			4.0	5.5
22	157					133					112					91					73			5.0	8.0	63			3.0	6.0	41			5.0	8.0	29			4.5	6.0
23	159					135					114					93					75			4.5	8.0	61			3.0	6.5	39			4.5	7.5	29			3.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Month December 19 63

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	146					122					96					82					66			6.0	11.0	54			6.0	10.0	39			5.0	8.0	27			2.0	3.0
01	147					120					93					80					64			4.5	9.0	55			5.5	10.0	40			5.0	8.0	28			3.5	5.0
02	144					119					90					81					63			5.5	10.0	56			5.0	9.0	41			5.0	8.0	28			3.0	4.0
03	146					119					90					76					61			6.0	11.0	56			6.5	11.0	43			5.0	8.0	27			1.5	3.0
04	146					118					84					57					60			6.0	11.0	53			4.5	8.5	41			3.5	5.5	27			1.0	2.0
05	146					110					76					64					45			5.0	8.0	47			6.0	9.0	39			4.5	7.0	28			1.5	3.5
06	145					104					74					67					35			5.5	8.5	41			4.0	6.0	35			4.0	6.0	27			3.5	3.0
07	146					102					73					70					33			3.0	5.0	36			3.0	4.5	33			3.0	4.0	29			2.0	3.0
08	146					103					81					62					34			2.0	3.0	33					29			3.0	4.0	28			2.0	3.0
09	149					111					74					64					35					29			5.0	7.0	33			6.0	9.0	27			1.0	2.0
10	151					115					75					63					37			1.5	3.0	29			7.5	10.0	27			2.5	4.0	27			1.5	3.0
11	151					117					80					65					37			1.0	2.0	29			10.5	13.0	27			3.0	5.0	29			1.5	3.0
12	155					122					90					63					37			2.0	2.0	30			4.0	6.0	27			4.0	7.5	28			2.5	4.0
13	157					122					80					65					35			1.0	3.0	29			5.0	8.0	31			5.0	8.0	30			2.5	4.0
14	156					122					80					67					39			3.5	5.5	33			4.0	8.5	31			4.0	7.0	29			1.5	3.0
15	157					123					90					77					39			3.5	6.0	34			6.0	8.5	33			4.0	8.0	29			2.0	3.0
16	159					121					90					73					37			3.0	7.0	35			6.5	9.5	39			4.0	7.5	30			2.5	4.0
17	157					114					80					70					39			3.5	6.0	42			5.0	8.5	39			3.5	5.5	30			2.0	3.5
18	153					113					84					75					51			4.0	8.0	57			3.5	6.5	43			3.5	6.0	30			2.0	4.0
19	152					113					96					79					61			5.0	9.5	62			2.5	5.0	43			5.0	7.5	29			3.5	5.0
20	150					123					96					82					63			4.5	9.5	63			3.5	6.0	40			5.0	8.0	28			2.0	3.5
21	149					123					97					81					66			4.5	8.0	63			4.0	7.0	43			4.0	7.0	28			2.0	3.5
22	149					124					100					80					63			5.5	10.5	62			3.5	6.0	45			4.5	8.0	29			2.0	3.0
23	149					123					94					78					63			5.5	9.5	55			4.5	8.5	42			5.5	8.5	28			3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 70-80 S Long. 97.5-112.5 W Month January 19 64

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	143					111					81					64					49			6.5	11.0	47			4.0	6.5	36			4.0	5.5	35			3.0	6.0
01	146					108					73					66					45			5.0	9.5	47			6.0	10.0	35			5.0	8.0	33			3.5	5.5
02	147					105					71					63					36			5.0	8.0	43			5.0	9.0	32			3.5	5.5	35			2.5	5.0
03	147					106					71					59					30			4.0	7.0	40			6.0	9.0	32			3.0	5.0	35			2.5	5.0
04	147					106					70					62					28			6.0	8.5	39			6.0	9.5	30			2.5	4.0	34			3.0	5.0
05	147					104					77					63					27			3.0	5.0	34			6.0	8.5	34			4.5	6.5	35			3.0	5.5
06	147					104					85					64					29			3.5	6.0	31			6.0	7.0	30			2.0	3.5	34			3.0	5.0
07	146					103					75					66					27			2.5	5.0	29			4.0	5.5	27			1.5	3.0	36			3.5	6.0
08	146					104					77					74					29			4.0	7.0	31			4.0	5.5	27			1.5	3.0	35			3.0	6.0
09	145										83					80					36			0.5	2.0						28			1.5	2.5	37			3.0	5.5
10	144					105					79					81					38			1.0	2.0	31			6.0	8.5	29			1.0	2.0	33			3.5	6.0
11	145					105					75					74					34			3.5	6.0	31			6.0	8.0	27			1.5	3.0	34			3.0	5.5
12	145					103					73					70					34			2.5	4.5	30					28			1.5	2.5	35			3.0	5.5
13	145					104					71					72					37			1.0	2.5	32			6.0	7.5	26			1.5	2.5	35			3.0	6.0
14	145					103					69					66					36			2.0	3.5	31			5.0	7.0	28			2.0	3.0	35			3.5	5.5
15	145					107					73					64					31			2.0	4.0	31			5.5	7.5	28			2.0	3.0	35			3.0	5.5
16	145					103					75					66					27			3.0	4.0	29			6.5	9.0	30			2.0	3.5	35			3.0	5.5
17	141					105					75					68					35			1.0	2.5	33			5.0	8.0	32			3.5	5.5	35				
18	143					107					83					74					33			6.5	9.5	39			6.0	7.0	32			4.5	7.5	35				
19	143					109					77					76					35					45			2.5	6.0	32			4.5	7.0	35			4.0	6.0
20	143					109					75					70					41			5.5	8.5	47			3.0	6.0	34			4.0	6.5	33			3.0	5.0
21	143					109					77					62					45			1.5	2.5	45			3.5	6.5	34			3.0	5.0	35				
22	143					107					79					62					49			4.0	8.0	45			5.5	10.0	36			4.0	6.5	33			3.0	5.5
23	143					107					83					64					49			7.0	10.0	47			5.5	8.5	34			4.0	6.0	35			3.0	5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70S Long. 112.5-127.5W Month January 1964

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	147	2	1	11.0	16.0	111	6	4	10.0	15.0	85	5	11	7.0	11.0	64	30	7	2.0	3.5	51	5	5	6.0	11.5	55	3	8	3.5	7.0	38	4	5	4.0	7.0	31	6	4	2.0	4.0
01	149	2	4	12.0	18.0	113	4	11	11.0	16.5	83	6	12	11.5	20.0	64	30	9	2.0	4.0	47	4	8	6.5	12.0	49	4	6	6.0	11.0	36	2	2	3.0	5.0	29	6	2	2.5	4.5
02	151	2	6	12.0	18.5	111	4	8	11.0	16.5	79	6	4	13.0	20.0	62	23	15	2.0	3.5	43	4	8	8.0	13.0	47	6	10			36	2	4	4.5	6.5	29	6	1	1.0	2.0
03	149	4	4	12.5	18.5	107	4	2	10.5	16.0	76	15	8	11.5	16.5	64	33	16	2.0	4.0	37	5	7	1.5	3.5	41	10	4	6.5	9.5	34	2	4	3.0	4.5	31	7	2	1.5	3.5
04	149	2	2	13.0	19.5	107	4	3	11.5	17.0	*76			3.5	10.0	66	29	18	2.0	5.0	27	8	4	2.5	4.0	39	8	6	7.5	12.0	32	6	2	1.5	3.0	31	4	2	2.0	4.0
05	149	2	2	12.0	18.0	105	2	4	9.5	13.5	75	16	9	3.5	5.5	73	21	19	2.5	6.0	27	12	4	3.5	5.0	31	9	4	5.5	7.0	30	3	2	1.0	2.5	31	9	2	2.0	4.0
06	149	2	4	8.5	11.0	103	9	2	8.5	11.0	*83			1.0	2.5	80	18	32	3.0	6.0	29	7	4	4.0	7.0	29	5	8	4.5	6.0	28	2	0	1.5	3.0	31	2	2	1.0	2.5
07	148	2	4	12.5	19.5	103	5	4	4.5	10.5	74	27	10	3.5	5.0	64	34	16	2.5	5.5	27	12	3	3.5	6.0	29	2	5	3.0	5.0	28	0	0	1.5	3.0	31	4	3	1.5	3.0
08	148	3	6	10.0	16.0	*105					*76					*80			3.0	6.0	35	4	4	2.0	4.0	*33					*28			1.0	2.0	*31			2.0	4.0
09	147	4	5	7.5	11.0	104	7	6	5.0	8.0	76	18	11	2.0	3.0	80	19	18	1.0	2.5	37	11	2	0.5	2.0	31	14	5	3.0	5.0	28	9	0	2.0	3.0	31	4	2	2.5	4.5
10	149	3	5	8.5	12.5	107	4	6	4.0	6.5	85	11	18	2.0	3.0	74	26	12	2.0	4.0	37	8	2	3.0	6.0	31	14	7	3.5	6.0	28	7	0	1.0	2.5	31	9	2	2.0	4.0
11	147	4	2	8.0	12.0	105	7	6	5.0	8.0	85	15	17	2.0	3.0	89	11	26	1.0	3.5	35	7	6	2.0	4.0	31	12	6	3.0	5.0	28	4	2	1.5	3.0	31	7	2	2.0	4.0
12	149	2	2	8.0	12.5	106	6	5	4.0	7.0	81	18	12	1.0	2.0	82	16	19	1.0	2.0	37	9	4	1.5	2.5	31	8	6	4.5	7.0	28	0	2	1.5	3.0	31	4	2	3.0	4.5
13	148	3	3	7.0	11.0	105	12	4	4.5	7.5	87	11	19	1.0	2.0	78	20	21	1.0	2.0	38	1	7	1.5	2.5	31	7	10	4.5	6.5	28	2	2	1.0	2.5	31	5	2	2.5	4.0
14	149	2	4	8.0	12.0	106	5	7	6.0	9.5	87	11	21	2.0	3.0	85	13	37	2.0	3.0	37	4	10	2.0	4.0	29	8	6	5.5	7.5	28	6	2	1.5	3.0	29	2	0	1.5	3.0
15	147	2	2	8.0	12.5	104	5	5	5.0	8.0	85	12	22	1.5	2.5	72	26	14	2.5	6.0	36	1	9	1.5	2.5	29	9	6	3.0	5.5	30	4	4	1.0	2.5	31	2	2	3.0	5.0
16	146	3	1	9.5	14.0	104	6	5	8.0	11.0	87	9	24	1.5	3.0	80	15	25	1.5	2.5	37	2	4	1.5	2.5	31	6	2	2.0	4.0	32	4	4	2.0	3.5	29	6	0	2.0	4.0
17	146	3	1	10.0	15.0	105	3	4	6.5	8.5	85	12	10	2.5	4.0	78	18	17	3.0	9.0	31	8	4	1.5	3.5	36	7	3	6.0	10.0	34	4	2	3.5	8.0	35	3	6		
18	148	1	5	10.0	16.0	107	6	5	6.5	10.5	83	11	17	2.0	2.5	76	22	21	2.0	4.0	39	6	8	2.0	4.5	43	6	2	4.0	8.0	37	1	5	3.5	7.5	32	5	3	2.0	4.0
19	148	2	4	10.5	15.0	109	6	4	5.5	9.5	75	19	10	3.0	5.0	70	25	17	4.0	11.0	44	1	2	3.5	6.5	49	2	10	4.5	7.5	38	3	6	3.0	5.5	33	5	4	1.5	3.0
20	145	4	4	11.0	17.0	111	2	7	7.0	11.5	81	12	7	3.0	5.5	68	26	11	1.0	2.0	49	7	10	4.0	7.0	49	6	8	5.0	8.0	39	3	5	2.5	4.5	31	8	2	2.5	4.0
21	147	2	4	12.5	18.0	110	7	5	6.0	10.0	85	8	16	5.5	9.0	66	14	6	1.5	2.5	55	2	10	5.0	8.5	53	4	10	5.0	8.5	40	4	5	2.0	5.0	32	5	3	3.0	5.0
22	147	4	4	11.5	17.5	112	5	5	8.0	13.5	87	8	13	6.0	12.0	67	25	4	5.0	9.0	57	2	12	5.0	10.0	55	4	12	3.0	7.5	40	4	6	3.0	5.5	30	7	3	1.5	3.5
23	147	2	2	12.0	18.0	112	5	5	9.0	14.5	84	13	10	8.0	13.5	68	13	7	2.5	4.5	55	6	14	2.0	5.0	55	4	8	4.0	7.0	39	3	5	5.5	9.0	29	6	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70S Long. 82.5-97.5W Month January 1964

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm
00	148			10.0	15.5	117			6.5	12.0	91			6.5	11.5	72			5.0	9.5	60					55					36					35				
01	147			10.5	16.5	114			7.0	13.0	85			7.5	12.5	73			3.0	5.5	61					58					36					33				
02	149			10.5	16.0	111			9.5	14.5	80			8.0	13.5	66			2.0	3.0	55					55					34					34				
03	149			12.0	18.0	110			7.5	11.5	75			8.5	11.5	65			1.5	3.0	43					51					34					35				
04	147			11.0	17.0	105			8.0	11.0	65			4.0	7.0	64			1.5	3.0	33					37					31					35				
05	149			11.0	17.0	103			9.0	13.0	65			4.0	5.0	66			1.5	3.0	25					33					30					35				
06	147			10.5	16.0	102			12.0	15.0	67			5.5	8.0	64			2.0	3.0	26					36					29					35				
07	149			11.5	16.5	104			9.5	13.0	67			3.0	5.5	64			2.0	3.5	24					27					28					36				
08	147			10.0	15.5	105			7.5	12.0	69			7.0	9.0	64			2.0	3.5	29					29					26					37				
09	146			9.5	14.0											66			1.0	2.5	38															29				
10	147			11.0	15.5	109			9.0	13.0	69			4.5	7.0	66			2.0	3.5	37					28					26					36				
11	149			8.5	14.0	109			6.5	10.5	73			4.0	6.5	66			1.5	3.5	39					29					27					37				
12	149			8.0	12.0	107			7.5	9.5	70			3.5	5.0	67			1.5	3.5	37					29					26					35				
13	149			7.5	12.0	107			5.0	8.0	70			3.0	6.5	70			1.0	2.5	39					29					28					35				
14	149			8.0	13.0	109			5.5	8.0	70			4.0	7.0	68			2.5	4.5	37					32					28					35				
15	149			7.0	12.0	109			5.0	8.0	67			5.0	6.0	68			1.5	3.0	37					31					30					35				
16	147			8.0	13.0	107			6.5	10.0	77			3.0	4.0	72			1.5	3.0	37					29					30					35				
17	147			9.5	15.0	108			7.0	11.0	83			4.0	6.0	70			2.5	6.5	37					33					32					37				
18	145			9.0	14.0	109			7.0	10.5	85			7.0	9.5	78			4.0	7.0	39					39					34					35				
19	147			7.0	11.5	113			6.0	10.0	83			1.0	1.5	70			1.0	3.0	47					45					34					35				
20	143			8.0	13.0	111			6.5	10.0	87			4.0	7.5	74			1.0	2.5	53					53					32					35				
21	145			8.5	13.5	109			7.5	12.0	87			4.0	7.0	76			2.0	3.0	55					55					34					35				
22	147			9.5	15.0	117			7.0	11.0	89			4.0	8.5	72			2.5	5.0	57					55					36					35				
23	147			10.0	16.0	121			6.5	11.0	93			5.0	9.0	76			3.0	6.0	61					57					38					35				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 112.5-127.5W Month January 19 64

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	148					119					93					80					58			4.0	7.0	58			4.0	8.0	37			4.5	8.0	29			2.0	3.0
01	151					119					94					77					54					55					38			3.0	4.5	29			1.5	3.0
02	153					114					89					80					51					51			2.5	4.5	37			2.5	5.0	28			2.0	3.5
03	152					112					83					74					44			3.5	7.0	46					33			3.0	5.0	29			1.5	3.0
04	153					109					91					76					31					38			5.0	7.0	31			3.0	4.0	29			1.0	3.0
05	152					105					91					73					25					34			5.5	7.0	29			1.0	3.0	29			1.0	2.5
06	152					104					91					78					27			3.0	5.0	30			6.0	8.0	28			1.5	3.0	29			1.0	2.0
07	150					101					79					83					27			3.5	4.0	30			8.0	10.0	28			2.0	3.0	29			1.0	2.0
08	149					105					99					96										33			3.0	4.5	28			1.0	2.5	29			1.0	2.0
09	149					105					99					98					37			1.5	3.0	35			6.5	8.5	28			1.5	2.5	29			1.0	3.0
10	149					105					95					94					37			1.5	3.0	33			5.0	7.0	28			1.5	3.0	29			1.0	2.0
11	149					105					101					98					27			1.5	2.5	31					28			1.0	3.0	29			1.0	2.0
12	149					103					99					96					35					33			7.0	9.0	28			1.5	3.0	29			1.0	2.0
13	149					107					97					94					29			5.0	7.0	33			7.5	9.0	28			1.0	2.0	29			2.0	3.0
14	149					105					99					98					43			2.5	5.5	31					36			3.0	5.0	31			2.0	3.5
15	147					97					67					74					33					31			6.0	8.0	28					29			2.0	3.0
16	145					105					99					94					37			2.0	3.0	33			5.5	8.0	28			2.5	4.0	27			1.0	2.0
17	145					105					93					88					31			3.0	6.0	35			4.5	7.0	32			3.0	5.0	29				
18	145					107					93					90					33					47					48			3.0	5.0	37				
19	145					105					73					66					45			3.5	6.5	53			2.5	4.5	36			3.0	5.0	29			2.0	3.0
20	147					107					89					96					49			4.5	8.0	55			3.0	6.5	40			2.5	4.5	29				
21	149					117					101					98					55			3.5	7.5	57			5.0	8.5	40			2.5	4.5	29			1.5	2.5
22	149					119					99					96					59			3.5	7.0	55			3.5	7.0	40			2.5	9.5	29			4.0	5.0
23	149					119					97					78					59			3.0	6.0	55			3.0	6.5	38			4.0	7.0	27			1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 82.5-97.5 W Month February 19 64

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	153			9.0	14.0	125			4.0	8.0	98			4.5	7.5	82			4.0	8.0	63					58					43					37				
01	151			11.0	16.5	124			5.0	9.0	98			4.5	8.0	79			4.0	6.5	64					59					40					34				
02	150			9.0	14.0	121					87					64			3.0	5.5	61					59					40					35				
03	150			9.0	14.5	116					81			14.0	20.5	54			2.0	4.5	52					50					39					35				
04	149			9.0	15.0	110			7.5	12.0	70			5.0	10.0	62					39					47					36					34				
05	149			9.0	14.5	105			10.0	14.5											30					41					33					33				
06	147			11.0	16.5	103			8.0	12.0											28					37					31					34				
07	147			10.0	15.0	107			10.0	16.0	78			10.5	17.0						32					27					30					35				
08	148			10.0	15.0	105			9.5	13.5											22					28					30					34				
09	148			7.5	12.0	108															39					27					29					36				
10	148			7.5	12.0	107			8.5	13.0	74					48					39					26					29					35				
11	146			8.0	12.0	111			4.0	7.5	76					64			8.0	17.0	32					27					28					34				
12	151			7.0	12.0	112			7.0	12.0	68					53			6.5	10.0	53					28					29					35				
13	149			9.0	14.0	110			5.0	9.0	70			11.5	15.0	56			3.5	6.5	28					28					29					37				
14	151			9.0	14.0	108					70			9.5	12.5	52			1.5	2.5	29					29					30					36				
15	149			8.0	12.5	106			7.5	10.5						62			2.0	4.0	44					31					29					36				
16	146			10.5	16.0	104			6.5	9.5	68			7.0	10.0	62			3.0	5.5	42					31					35					34				
17	144					101					73					61			2.5	4.5	26					37					39					36				
18	147			10.0	15.0	109			7.5	11.5	72			8.5	13.0	64			1.5	3.0	42					50					43					34				
19	148			9.5	15.0	110					78					66			3.0	3.5	50					59					41					34				
20	150			10.0	16.0	116			5.5	10.0	84			5.0	9.0	70			3.0	4.5	56					61					39					36				
21	146			9.0	14.5	120			6.5	11.0	88			4.5	9.0	76					60					55					39					36				
22	148					120			7.0	12.0	86					74			3.5	7.5	60					55					39					34				
23	148			10.0	15.0	120			6.5	11.0	92			5.0	10.0	78					60					53					39					36				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60S Long. 67.5-82.5 W Month February 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm	Ldm	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*	Fam*	Du	Dℓ	Vdm*	Ldm*
00	150					130					106					90					68			6.5	12.0	63			3.5	6.5	41			3.0	6.0	34			2.0	5.0
01	154					130					106					86					70			4.5	9.0	61			4.0	10.0	39			2.5	4.5	38			2.5	5.5
02	152					128					108					86					68			7.5	14.0	61			3.0	6.0	41			3.5	6.0	36			2.5	5.0
03	152					130					104					82					66			7.0	13.0	61			4.0	7.5	39			4.0	7.0	36			2.5	4.5
04	154					124					88					66					60			5.5	10.5	59			4.5	8.5	41			2.5	5.0	32			2.0	4.0
05	152					120					80					66					44			6.5	11.5	51					39			4.0	7.0	34			2.0	4.5
06	154					116					78					66					34			6.0	10.0	41			4.0	7.0	35			3.0	5.0	32			2.0	4.0
07	154					114					78					64					34			3.0	6.0	37			7.5	11.5	33					30			2.0	4.0
08	152					99					80					67					36			2.0	3.0	27					29			2.0	3.5	33			2.0	4.5
09	152					115					80					66					40			1.5	2.5	31			4.0	5.5	31			4.0	6.0	32			2.0	3.5
10	152					116					81					64					38			1.5	3.5	29			3.5	5.0	29			2.0	3.0	30			2.5	4.0
11	154					116					80					65					40			1.0	2.0	32			4.0	7.0	30			2.5	4.0	33			2.0	4.0
12	154					120					88					72					39			1.5	2.5	33			4.0	6.0	33			2.0	4.0	31			2.5	5.0
13	156					121					93					72					57					37			5.5	9.0	33			1.5	3.0	31			2.0	3.5
14	155					120					88					72					40			1.0	2.0	33			5.0	7.0	33			3.0	5.0	31			2.0	4.5
15	156					118					82					72					40			1.0	3.0	34			2.5	5.0	36			3.0	5.0	34			2.5	5.0
16	155					115					79					63					42			2.5	4.5	39			5.0	9.0	35			3.0	5.0	34			2.5	5.0
17	153					115					80					52					44			2.0	4.0	46			3.0	5.0	39			2.0	4.0	33			2.5	5.0
18	151					114					86					63					50			3.0	6.0	51			4.0	7.0	39			3.0	5.0	31			2.0	4.0
19	150					118					95					76					60			4.5	8.5	56			4.5	6.5	40			3.5	5.5	30			2.0	3.5
20	152					122					98					78					66			5.5	8.5	59			3.0	5.0	39			3.0	6.0	32			3.5	4.5
21	150					124					100					80					62			5.0	9.0	61			2.5	6.0	39			3.0	5.0	34			3.0	6.0
22	152					126					100					82					64			8.5	15.5	55					41			2.5	5.0	32			2.5	4.5
23	150					127					104					84					66			5.0	8.0	54			4.5	7.5	40			3.0	5.5	32			2.5	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Month February 19 64

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}
00	150			11.0	17.0	126			11.0	16.0	104			9.0	15.0	88			8.0	14.0	69					62					41					30				
01	147			11.0	17.0	123			10.0	16.0	102			9.5	16.0	89			7.5	15.0	67					63					44					29				
02	147			12.0	18.0	128			10.5	17.0	108			8.0	15.0	90			8.0	15.0	66					64					43					28				
03	150			13.0	19.0	130			10.0	17.0	108			9.0	16.0	91			7.5	15.0	67					66					43					30				
04	152			11.5	17.5	127			9.5	15.0	103			14.0	22.0	81					69					65					36					28				
05	153			12.5	19.0	123			10.5	17.0	88			17.0	25.0	62			5.0	6.0	59					60					35					28				
06	151			13.5	19.5	120			10.5	16.5	80			5.5	10.5	60					49					53					42					28				
07	147			12.0	16.0	114			14.5	21.5	81			8.5	13.5	62			3.0	4.0	43					45					38					28				
08	148			12.5	17.5	112			9.0	13.0	83					58					36					39					35					28				
09	148			13.0	16.0	116					80			13.0	17.0	58			14.0	19.0	40										33					30				
10	147			12.5	17.5	110			9.5	14.0	71			4.5	6.0	58			1.0	2.0	39					30					32					30				
11	146			10.0	14.0	112			13.0	20.0	80			16.0	23.0	66			3.5	5.5	38					31					33					29				
12	152			10.5	16.0	116			11.0	17.5	83			12.0	15.5	64			3.0	5.5	38					31					31					28				
13	152			9.5	15.5	118			10.0	16.5	84			10.5	15.5	66					38					29					31					30				
14	154			10.0	15.5	120			12.5	20.0	88			8.5	15.0	66					60					41					33					28				
15	154			9.0	15.0	114			8.0	13.5	82			8.5	14.0	64			5.0	7.5	34					35					35					30				
16	154			8.5	14.0	121			9.0	14.0	87			7.0	13.0	68			2.5	4.0	38					46					41					30				
17	154			10.0	16.0	121			10.0	16.5	82			8.5	15.0	62			1.0	2.0	44					51					45					30				
18	154			10.5	15.5	120			8.5	14.0	87			7.5	13.0	65			2.5	4.0	50					55					49					32				
19	152			9.5	15.0	118			12.0	18.0	93			8.0	14.0	85			5.0	11.0	50					59					49					32				
20	152			9.5	15.0	124			9.0	15.0	98			8.5	14.5	86			7.5	12.0	66					63					47					30				
21	152			10.5	16.0	128			7.5	13.5	106			10.0	18.0	88			5.5	11.0	68					61					41					32				
22	152			9.5	15.0	124			7.0	12.0	102			8.5	13.0	88			7.0	12.5	72					65					39					30				
23	150			12.5	18.0	124			10.0	16.5	106			7.0	13.0	92			6.0	12.0	68					61					35					30				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 67.5-82.5W Month February 1964

Hour (LST)	Frequency (Mc)																															
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	151					126					106					90			4.0	8.5	68					54					37			4.0	7.0	26				
01	151					126					105					89			5.0	10.5	69					55			4.0	7.5	35			5.0	8.0	26				
02	152					125					105					92			3.5	8.0	66					57			3.0	6.0	37			2.5	4.0	27			2.0	3.5
03	152					124					105					86					64					59					39			3.0	6.0	27			1.0	3.0
04	152					121					97					78			5.5	11.0	62					57			5.0	9.0	39			3.0	6.0	28			1.0	2.5
05	153					116					81					66			6.5	11.0	53					49			2.5	5.0	38			3.5	6.0	28			1.0	2.0
06	153					112					70					84			5.0	8.0	37					45			4.5	7.5	34			3.0	5.0	28			1.0	2.5
07	152					110					78					96			4.0	7.5	34					13			4.5	8.0	31			2.5	4.5	28			1.0	2.0
08	151															54			1.5	3.0	40															28			1.5	3.0
09	150					112					80					75			1.5	3.5	40					27					29			1.0	2.5	28			1.0	2.5
10	151					113					81					62			2.0	4.0	39					28			4.0	8.0	30					28				
11	151					114					72					64					36					29			4.0	6.0	26					28			1.0	2.5
12	154					118					77					71					41					27			10.0	13.0	27			1.5	3.0	28			1.5	2.5
13	157					118					81					69					31					28			6.0	7.0	27			2.5	4.0	28			2.0	3.5
14	159					119					85					69					38					28			5.5	8.5	29			3.0	5.0	28				
15	159					118					82					72					34					33					31			2.0	3.5	28			2.5	4.0
16	157					116					85					83			1.5	3.5	38					36					34					30				
17	154					113					79					63			3.5	5.5	37					43			4.5	8.0	35					28			1.5	3.0
18	151					112					82					77					56					52			3.5	6.5	38			4.0	7.0	28			2.0	3.5
19	150					120					99					85			4.0	7.0	65					54			4.0	7.0	37			4.0	6.5	28				
20	149					121					98					86			3.5	7.0	65					60			4.0	8.5	37			3.5	6.0	28				
21	149					123					102					87			3.5	7.0	64					55					42					29				
22	148					124					103					87					65					55			3.0	5.5	37			3.0	5.5	29			1.0	2.5
23	149					125					105					89					66					53					37			3.0	5.5	28			1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40S Long. 67.5-82.5W Month February 19 64

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}*	D_u	D_ℓ	V_{dm}*	L_{dm}*
00	148					120					102					86					66			3.0	5.5	51					35			3.0	5.0	26			1.0	2.5
01	148					120					102					84					64			5.0	9.0	55					35			2.5	4.5	26				
02	150					122					98					82					64			5.0	9.0	59					39			2.5	4.0	26			1.5	3.0
03	152					122					96					80					62			5.5	10.5	59					35			2.5	4.5	26			2.0	3.0
04	150					118					98					78					58			5.5	12.0	61			5.0	9.0	37			3.0	5.0	28			2.5	4.5
05	152					114					78					60					56			7.5	14.0	49					37			2.5	4.5	30			1.0	3.0
06	150					108					66					62					40			1.5	3.0	45			3.5	6.0	35			4.5	7.0	30			1.5	2.5
07	148					106					68					56					40					41					31					28			2.0	3.0
08	148										64					55					41			1.5	2.5						29					28			2.5	4.0
09	149					106					67					46					35			1.5	3.0	26					30			1.5	3.0	29			2.5	4.0
10	151					111					77					50					34			1.0	2.5	27			3.5	6.0	29			2.0	4.5	28			1.0	2.5
11	152					114					68					46					34			2.0	3.5	26					26					29			1.5	3.0
12	153					116					71					52					35					25					28			3.0	4.5	28			1.5	3.0
13	156					119					76					49					29					25			5.5	8.0	22					26				
14	157					119					77					52					29					25					26			3.5	5.5	28			2.0	4.0
15	157					120					77					57					32			6.0	8.0	33			7.5	11.5	29			5.0	8.0	32			1.5	2.0
16	157					119					84					58					39					37			2.5	4.5	36			8.0	15.0	30			2.0	4.0
17	156					116					82					66					48					50			5.0	8.5	36			3.5	6.5	28				
18	152					119					93					85					59					55			3.5	6.0	38			3.5	6.0	30				
19	152					125					108					91					69			3.0	6.0	59			4.0	7.0	39					26				
20	149					127					106					93					70			4.0	8.0	61			2.0	4.5	34			4.5	6.5	27				
21	149					126					106					90					68			4.0	8.0	61			4.0	6.5	35					27				
22	148					125					104					88					65			4.0	8.0	54					36					26				
23	149					126					104					87					63			5.5	10.5	55					37			3.5	5.5	26			1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month December 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	149	4	2	10.0	16.0	115	4	4	8.0	14.5	94	5	4	4.0	10.5	81	8	8	2.5	4.0	57	4	7	7.0	14.0	50	5	5	4.0	7.0	31	5	2	2.0	4.0	17	2	0	1.5	2.5
01	149	4	2	10.0	17.0	115	4	6	10.0	16.5	98	8	5	3.0	8.0	78	15	8	1.5	4.0	*55			6.5	9.5	50	4	5	*3.0	*5.5	31	5	2	2.0	3.5	17	0	0	1.5	2.5
02	149	4	4	11.5	18.5	114	7	5	9.5	15.0	*100			2.0	5.0	79	11	7	6.0	8.5	55	11	6	3.5	6.5	50	4	4	*4.5	*7.5	31	7	2	2.0	3.5	17	2	0	1.5	3.5
03	149	4	2	12.5	19.0	115	4	6	9.0	15.5	100	8	10			74	11	7	3.0	5.5	55	4	3	5.0	9.0	50	2	6	*4.0	*7.0	31	2	2	2.0	3.5	17	2	0	2.0	3.0
04	149	4	2	12.0	19.5	114	5	5	10.5	16.0	96	12	4	4.0	9.0	76	10	11	3.0	3.5	53	10	4	4.5	8.0	48	4	4	*3.5	*9.0	31	3	2	2.0	3.5	17	2	0	2.0	3.5
05	149	4	2	13.0	20.0	113	6	8	12.0	18.5	100	6	6	4.0	6.5	73	15	12	2.0	3.5	53	10	4	4.5	8.0	47	13	7	*2.5	*5.0	31	2	2	2.0	3.0	19	0	2	1.5	3.0
06	149	3	4	11.5	18.5	113	6	8	11.5	17.5	102	6	6	4.0	7.5	65	18	8	5.0	7.5	51	9	5	3.5	6.5	46	7	6	*3.0	*5.0	31	3	2	1.5	3.0	19	0	2	1.5	3.0
07	149	2	4	12.0	20.0	109	6	6	11.0	18.5	*98					65	9	10	2.5	4.0	*53			3.5	8.0	46	6	2	*2.0	*4.0	33	2	2	2.5	4.0	19	0	2	1.5	3.0
08	148	1	5	12.5	19.5	103	6	4	11.0	18.5	86	3	8	3.5	8.0	65	7	5	2.5	4.5	*56			6.0	10.0	46	5	4	*2.5	*5.0	35	2	2	2.5	4.0	19	0	2	1.5	3.0
09	143	5	3	15.0	20.0	99	12	9	*10.5	14.5	90	8	8	6.0	10.5	63	12	10	4.0	7.0	43	14	6	3.5	7.0	39	5	5	*4.0	*7.5	35	5	2	2.0	3.5	19	2	0	1.5	3.0
10	143	4	6	13.0	20.0	97	8	10	*10.5	*13.0	94	8	10	2.5	6.5	60	4	3	3.0	5.0	*45					34	10	6	*2.5	*4.0	35	4	2	2.5	4.5	19	2	0	1.5	3.0
11	143	4	4	12.5	19.0	93	16	8	*11.0	*16.0	94	6	13	7.5	12.0	*61			3.0	6.0	43	18	12	2.5	5.5	30	6	5	*1.5	*3.5	35	6	2	2.5	4.0	19	2	1	2.0	4.0
12	144	5	4	10.0	16.5	95	14	8	*13.0	*17.0	94	6	8	4.0	9.0	*60			3.0	6.0	*50					30	6	4	*6.5	*10.0	*35			3.5	5.0	19	2	0	2.0	3.0
13	143	4	4	*6.0	*11.0	95	15	6	*14.5	*20.0	88	6	6	3.0	7.0	63	9	8	3.0	4.0	*44			8.0	16.0	32	6	3	*3.0	*5.5	35	2	2	3.0	5.0	19	2	2	1.5	3.0
14	143	2	4	8.5	13.5	97	12	8	*9.0	*15.5	92	7	8	6.5	10.0	61	8	2			*45			5.0	7.0	38	10	4	*2.0	*4.5	37	3	4	3.0	5.0	19	0	2	1.5	3.0
15	143	2	2	9.0	14.5	95	12	3	*7.0	*12.5	90	3	8	3.5	7.5	61	11	5	3.0	5.0	*55					44	6	4	*2.5	*5.0	35	6	2	3.0	4.5	19	0	2	1.0	2.5
16	143	4	2	9.0	14.0	103	6	6	9.0	15.0	94	6	6	5.0	8.0	65	16	6	1.0	4.0	*51					47	6	7	*2.5	*5.0	36	4	5	2.5	4.0	19	0	2	1.5	3.0
17	145	2	2	10.0	14.5	107	6	5	8.5	15.0	94	4	5	4.0	7.0	69	4	8	2.0	3.0	*59			6.5	12.5	48	6	8	2.5	4.5	35	4	4	2.5	5.0	17	2	0	1.5	3.0
18	147	2	4	9.5	15.0	111	4	6	8.0	11.5	94	6	4	3.5	8.0	67	7	6	4.5	7.0	*51			3.5	7.0	50	7	3	*3.0	*5.0	31	6	0	2.0	3.0	17	2	0	2.0	3.5
19	147	4	4	9.0	14.0	113	4	4	8.0	15.5	94	7	4	4.0	7.0	69	22	6	3.5	5.0	53	9	5	5.0	11.0	48	3	4	*3.0	*5.0	31	2	0	2.0	3.5	17	2	0	2.0	3.5
20	147	4	2	8.5	14.0	113	6	6	8.5	14.5	98	8	6	3.5	7.5	73	17	6	2.0	5.0	55	16	4	6.0	14.5	48	6	4	2.5	5.0	31	2	2	2.0	3.0	17	1	0	2.0	3.5
21	149	2	4	9.5	15.0	113	6	4	8.0	14.5	100	4	6			77	14	9	3.0	3.5	*57			7.0	13.5	48	5	3	*3.5	*5.5	31	2	1	2.0	3.5	17	1	0	1.0	2.5
22	149	4	4	9.0	14.0	113	8	4	9.0	15.0	100	8	4	6.5	10.0	75	12	7	3.5	6.0	55	10	4	7.0	8.5	48	4	4	*3.0	*6.0	31	4	0	2.0	3.5	17	1	0	2.0	2.5
23	149	4	4	10.0	17.0	113	7	3	9.5	15.0	99	7	5	6.0	11.5	77	16	7	2.5	5.5	*57			2.0	4.5	48	6	3	3.0	5.0	31	2	2	1.5	3.5	17	2	0	1.0	2.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month January 19 64

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	2	3	9.5	15.0	111	6	3	9.0	14.0	94	8	2	*6.0	*9.0	83	10	13	3.5	5.0	57	11	8	5.5	9.5	50	2	4	3.0	5.0	30	4	2	*2.0	*2.5	18	0	2	1.5	3.0
01	150	2	4	10.0	16.5	113	4	4	9.0	15.0	97	6	7	*3.0	*6.0	81	9	12	*3.0	*4.5	*53					50	3	4	3.0	5.0	30	5	2	*2.5	*4.0	18	0	2	1.5	3.0
02	148	4	2	11.5	17.5	113	4	5	8.5	14.0	94	8	6	*7.0	*11.0	81	10	11	*2.0	*4.0	59	10	8	3.0	5.0	48	4	4	4.0	6.0	30	4	2	*2.0	*3.5	16	2	2	1.0	2.5
03	148	4	2	11.0	17.5	113	4	4	9.0	14.0	98	5	7	*5.0	*9.0	78	14	12	*3.0	*5.0	52	15	4	4.0	8.0	48	5	3	3.0	6.0	30	2	2	2.0	3.5	18	1	4	1.5	3.0
04	149	3	3	11.0	18.0	111	6	2	9.0	15.0	99	4	10	*5.0	*8.0	72	14	10	2.5	4.0	53	19	6	4.0	7.5	46	2	4	3.0	5.0	30	2	2	1.5	3.0	18	0	4	1.0	2.5
05	149	3	3	11.0	17.0	112	5	5	10.0	16.0	99	4	4	*5.5	*8.5	69	13	12	*3.0	*5.0	*51			2.5	5.5	46	4	4	4.0	6.0	30	1	2	1.5	2.5	18	1	2	*1.5	3.0
06	150	2	4	11.5	18.5	109	5	4	10.5	16.5	103	4	7	*3.5	*8.0	72	14	15	*2.0	*4.0	53	21	6			46	4	4	2.5	5.0	*30			1.0	2.5	18	0	3	1.0	2.5
07	148	4	5	13.0	20.0	107	6	6	*13.0	*19.0	95	14	13	*5.5	*8.5	63	12	4	4.0	4.5	51	20	4	3.0	9.0	46	4	4	3.0	5.0	32	2	2	2.0	4.0	18	1	2	1.0	3.0
08	148	2	6	12.0	18.5	102	7	7	13.0	17.5	83	5	5	*5.0	*8.5	63	9	8	*4.0	*5.0	57	8	16	5.0	9.0	48	4	4	6.0	9.5	34	2	4	*3.0	*4.5	18	2	2	*2.0	*3.5
09	142	4	6	12.0	19.0	94	1	6	*9.0	*12.0	*87			*5.0	*9.0	*63			*4.0	*6.0	*41			3.5	6.5	40	10	5	5.5	8.5	*36			*3.5	*5.5	18	0	2	*2.0	*3.5
10	142	3	5	14.0	21.5	*93			*5.5	*7.5	93	7	10	*3.5	*6.5	59	6	6	*3.0	*5.0	*39			2.0	4.0	*34			2.5	5.0	36	4	5	*2.5	*4.0	18	3	2	*0.5	*2.0
11	140	5	5	12.5	19.0	89	14	4	*6.5	*8.5	*91			*6.0	*8.5	58	15	5	*3.5	*5.0	*39			5.0	9.0	*30			16.5	20.5	*36					18	4	2	*5.0	*7.0
12	140	6	4	11.0	17.0	87	16	2	*5.5	*8.0	91	8	10	4.5	8.5	61	10	10	*2.5	*3.0	*43					30	10	6			*36			*4.5	*6.5	*18			*1.0	*2.5
13	142	5	5	10.0	16.5	87	12	2	*7.0	*9.5	89	10	11	*5.0	*8.0	*61			*3.0	*4.0	*41			3.0	6.0	*32					34	4	2	*2.5	*4.5	18	3	2	*1.5	*3.0
14	142	4	4	9.0	14.0	89	14	2	*16.5	*19.5	91	5	15	*5.0	*8.5	62	13	5	*2.0	*4.0	*43					38	6	5	3.0	5.0	*39					18	2	4	1.5	3.5
15	144	3	6	8.5	14.0	91	18	4	7.5	10.5	89	9	11	*4.5	*8.0	75	8	12	*1.0	*2.0	*45					42	6	4	3.5	5.0	36	7	2	*2.0	*3.5	18	0	4	*1.0	*2.5
16	142	6	3	9.0	14.5	95	16	4	12.0	17.0	92	7	8	4.5	8.5	73	12	16	2.5	4.5	*55			8.5	16.0	43	3	1	1.5	3.5	34	13	2	*2.0	*3.5	18	0	4	1.0	2.5
17	144	4	3	8.0	13.5	103	9	6	11.0	16.0	92	6	7	4.5	7.5	75	8	12	*3.0	*4.0	*55			7.5	14.5	44	7	2	3.0	5.5	32	7	2	2.0	3.5	17	1	3	1.5	3.0
18	146	5	4	8.5	14.0	107	8	4	9.0	14.0	93	7	4	*3.5	*6.0	78	12	14	*4.0	*5.0	*53			5.0	9.0	46	4	4	2.0	4.5	30	6	2	1.5	3.0	16	2	2	1.5	3.0
19	148	4	6	9.0	14.0	109	6	5	7.5	13.0	95	4	5	5.5	9.0	83	8	20	*3.0	*4.0	53	10	8	7.5	14.0	46	7	3	3.0	5.5	30	4	1	1.5	3.0	16	2	2	1.5	2.5
20	148	4	4	9.0	15.0	111	5	6	8.0	14.0	100	4	10	*4.0	*7.0	75	14	11	*2.0	*4.0	53	15	6	5.0	8.0	46	6	2	4.5	8.0	30	4	2	2.0	3.5	16	2	2	1.0	2.5
21	148	4	4	8.5	14.5	113	5	8	9.0	15.5	99	2	7	*6.0	*10.0	80	10	13	*2.0	*3.5	59	9	8	4.0	8.0	48	6	2	3.5	5.0	30	5	2	2.5	3.5	16	2	2	1.0	3.0
22	150	2	4	9.0	14.5	113	6	8	9.0	14.5	98	6	8	*4.5	*8.0	81	10	14	*2.0	*3.5	53	18	4	5.0	9.0	48	5	3	2.5	5.0	30	5	1	1.5	3.0	17	1	1	1.0	3.0
23	150	2	4	10.0	15.5	113	7	7	8.5	14.0	99	3	6	6.0	10.0	85	7	18	*3.0	*4.5	53	19	4	4.5	7.5	48	4	4	2.5	5.0	30	5	0	3.0	4.5	16	2	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Month February 19 64

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}
00	151	2	4	10.5	16.5	115	4	6	*9.0	*13.5
01	151	2	4	11.0	17.0	115	4	4	9.5	14.0
02	151	2	4	12.0	17.5	115	4	4	10.0	15.0
03	150	3	5	12.0	17.0	115	4	4	10.0	16.0
04	149	4	2	12.0	17.5	113	6	4	10.0	14.0
05	149	4	2	12.0	18.0	111	8	2	12.0	18.0
06	149	4	2	10.0	16.5	111	4	4	11.5	16.5
07	149	3	3	13.0	19.5	107	4	6	*13.0	*17.0
08	143	6	2	13.0	18.0	101	5	5	*11.0	*15.0
09	141	5	2	12.0	18.0	97	6	8	12.5	16.0
10	143	2	4	11.5	17.5	97	4	11	*17.5	*21.0
11	143	2	4	*12.0	*18.0	*98			*11.0	*14.0
12	143	4	2	*10.0	*15.0	*99			*9.0	*11.0
13	143	4	3	8.0	13.0	97	4	10	*7.0	*9.5
14	145	2	5	8.0	12.0	92	12	5	*8.0	*10.5
15	143	4	2	7.0	11.0	95	13	5	12.5	16.0
16	143	2	2	7.0	10.5	97	12	5	10.5	14.0
17	143	4	2	8.0	12.0	103	9	7	*11.0	*15.0
18	147	2	5	7.0	11.0	109	6	6	9.0	13.0
19	147	4	2	8.5	12.5	111	4	5	9.0	13.0
20	147	4	0	9.0	13.5	111	4	4	9.0	13.0
21	149	2	2	9.0	13.5	113	4	4	8.5	13.0
22	151	2	4	10.0	14.5	113	4	4	9.0	13.0
23	151	3	4	10.0	15.5	115	4	4	8.5	12.5

Hour (LST)	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}*	.160 L_{dm}	.495 F_{am}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	96	2	6	4.5	7.5	77	14	6	*1.5	*3.5
01	100	4	10	6.0	10.0	75	16	6	3.5	4.5
02	96	6	5	9.0	12.5	75	12	6	*3.5	*5.5
03	97	5	5	5.0	10.0	69	17	3	*4.0	*5.0
04	98	7	7	6.0	9.5	67	4	4	*8.0	*10.5
05	100	4	6	5.0	9.5	64	12	4	*3.5	*5.5
06	100	8	12	7.5	11.0	61	12	6	4.0	5.0
07	87	3	5	6.0	9.5	59	8	4	2.0	3.5
08	90	6	9	6.0	11.0	59	8	6	3.0	5.5
09	88	6	5	7.5	15.0	59	6	6	*2.5	*4.0
10	90	7	6	6.5	13.0	56	11	3	*3.5	*5.0
11	*88					*55			*4.5	*5.5
12	*88			4.0	8.5	55	10	6	*3.0	*4.5
13	86	9	10	6.0	9.0	54	12	3	3.0	4.5
14	88	7	6	6.5	12.5	58	11	5	2.5	4.0
15	90	6	6	5.5	11.5	62	13	5	3.0	4.5
16	89	9	5	4.0	7.0	71	14	10		
17	92	3	8	4.0	7.0	*72			*2.5	*5.0
18	94	5	5	5.0	8.0	75	8	6	*2.0	*2.5
19	94	6	5	5.0	10.0	80	12	12	*3.5	*6.0
20	96	6	4	6.0	8.0	71	18	2	*3.0	4.0
21	98	2	4	6.0	11.0	72	8	3	3.0	4.5
22	100	8	6	4.0	8.0	75	12	4	4.5	6.5
23	96	8	3	4.0	8.0	73	11	5	*3.0	*4.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}	2.5 L_{dm}	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}*	5 L_{dm}*
00	57	13	8	6.0	8.5	50	4	4	4.0	6.5
01	56	5	5	3.0	6.0	50	6	2	3.0	6.0
02	55	5	6	6.0	8.5	50	4	2	3.0	5.5
03	53	9	2	3.5	7.5	50	4	3	*3.5	*4.5
04	53	7	4	3.5	6.0	48	2	5	5.5	7.5
05	53	4	6	7.0	10.0	46	4	5	3.5	5.5
06	53	20	4	4.0	6.5	46	7	5	*7.0	*10.0
07	*51			6.5	10.5	46	4	4	*3.5	5.0
08	49	16	14	5.0	7.0	42	4	8	*3.0	6.0
09	47	21	12	3.0	4.0	35	9	5	*3.0	4.5
10	*49			4.0	4.5	32	7	4	*3.0	4.5
11	*51			4.5	6.5	*31			*1.5	3.0
12	*49			7.5	9.0	*28			*3.0	4.0
13	47	18	12	2.0	4.5	32	11	8	*2.0	4.0
14	*49			2.5	4.0	30	14	2	*6.0	9.0
15	49	8	10	5.5	8.0	38	6	4	*2.0	4.0
16	52	5	15			41	3	4	*4.5	6.0
17	59	15	16	*3.0	5.0	48	6	4	*4.5	7.0
18	*62					50	4	4	*6.0	8.5
19	57	10	7			50	4	4	*3.5	6.0
20	58	8	7	*5.0	10.0	50	4	6	3.0	5.5
21	57	8	3	6.5	10.0	50	4	4	*5.0	*7.0
22	*56			7.0	10.5	50	2	4	4.0	6.0
23	57	8	6	*5.5	9.0	50	2	3	3.5	6.0

Hour (LST)	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}	10 L_{dm}	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	32	4	2	2.0	4.0	18	0	4	1.5	3.0
01	32	3	2	2.5	4.0	18	0	2	2.0	3.0
02	30	7	0	2.5	4.0	18	0	2	1.5	3.0
03	30	6	0	2.5	4.0	18	2	2	1.5	2.5
04	30	3	1	3.0	3.0	18	1	2	2.0	3.0
05	30	2	0	1.5	2.5	18	0	2	2.0	3.0
06	32	2	2	1.5	2.5	18	2	2	1.5	2.5
07	34	2	2	4.0	5.0	18	2	2	1.5	3.0
08	34	4	2	*3.0	*5.0	18	3	2	2.5	3.0
09	36	3	2	*6.0	7.0	20	2	3	*2.0	*3.0
10	38	2	7	*2.0	3.0	20	2	4	*3.0	*4.5
11	*34			*3.5	5.0	*21				
12	*33			*1.5	3.5	20	18	2	*3.5	*5.0
13	34	4	2	*2.5	4.0	20	2	4	3.0	4.0
14	42	4	2	*3.5	6.0	18	4	2	2.0	3.5
15	40	10	2	*3.5	6.0	18	2	3	1.5	2.5
16	40	8	4	*3.5	4.5	18	0	4	1.5	2.5
17	40	5	6	*2.5	4.0	16	2	2	1.5	2.5
18	36	9	4	*2.5	4.0	16	2	2	1.0	2.5
19	36	2	6	*3.0	4.5	16	2	2	1.5	2.5
20	32	5	2	3.0	4.5	16	2	2	1.5	2.5
21	32	2	4	2.5	4.0	18	0	3	1.5	2.5
22	30	2	0	2.5	3.5	16	2	1	1.5	2.5
23	32	4	4	3.0	4.0	17	1	2	2.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month December 19 63

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	103	6	5			81	6	11			56	8	4			50	7	4			37	2	1			26	2	2												
01	103	7	4			79	8	10			55	8	4			51	8	5			37	2	1			26	1	1												
02	102	6	4			77	9	9			55	6	4			51	10	5			37	2	1			26	1	1												
03	101	7	4			75	9	9			55	7	4			51	11	5			37	3	1			26	2	1												
04	99	8	4			68	12	5			54	8	2			52	9	6			37	3	1			26	2	1												
05	100	7	6			65	13	6			55	7	4			52	6	5			38	1	2			26	2	1												
06	97	5	5			61	4	6			52	4	2			51	7	4			38	15	2			27	1	2												
07	93	4	4			55	2	2			48	2	3			49	4	2			39	13	2			27	1	1												
08	87	3	2			53	3	2			37	3	4			41	3	4			40	7	2			27	1	1												
09	86	3	2			53	3	2			34	4	2			36	4	4			38	6	1			26	2	1												
10	86	2	2			53	3	1			33	5	4			34	4	4			37	4	2			27	1	2												
11	86	4	2			54	3	3			32	7	2			32	4	4			38	4	2			26	2	1												
12	86	3	2			54	3	2			34	5	3			31	3	7			37	3	2			27	2	2												
13	86	5	2			54	3	2			35	5	3			31	4	7			38	2	2			27	3	2												
14	86	5	2			55	2	3			36	4	3			33	3	6			39	4	3			26	4	1												
15	85	5	1			55	2	3			37	3	4			35	4	5			40	11	2			27	2	2												
16	88	4	2			57	4	2			40	3	4			43	3	4			41	10	2			27	2	2												
17	89	8	1			60	6	3			49	6	4			45	4	9			41	3	2			27	2	2												
18	96	5	4			68	5	7			52	6	2			51	4	4			39	2	2			27	2	2												
19	96	6	2			72	5	8			54	6	3			51	4	3			39	1	3			27	1	2												
20	98	7	3			77	5	9			56	5	3			51	5	3			38	3	2			26	2	2												
21	100	6	4			78	6	8			56	6	3			52	4	4			38	2	2			26	2	1												
22	101	6	4			79	6	9			56	6	3			51	5	4			37	2	1			26	2	2												
23	101	7	4			78	8	6			55	7	2			50	7	4			37	3	1			26	2	2												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month January 1964

Hour (LST)	Frequency (Mc) .135					.500					2.5					5					10					20														
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	99	5	4			74	10	4			62	5	7			52	3	8			37	5	1			25	1	1												
01	100	4	5			75	9	5			62	6	7			51	4	7			37	3	2			25	1	1												
02	100	7	6			75	10	5			62	8	6			50	6	4			37	3	1			25	1	1												
03	100	4	5			73	10	3			62	6	5			50	8	4			37	2	2			25	1	1												
04	98	6	5			69	11	4			61	6	4			51	6	4			37	4	2			25	1	1												
05	97	5	3			65	9	6			60	7	4			51	4	6			38	4	3			26	0	2												
06	96	6	3			63	8	6			57	6	4			50	4	5			38	9	2			26	0	1												
07	94	3	5			58	6	4			56	6	6			49	4	4			39	6	2			26	1	1												
08	89	6	2			56	6	4			45	7	10			42	4	5			40	4	3			26	1	1												
09	88	10	4			56	5	3			43	4	8			39	6	6			38	2	1			26	2	1												
10	88	9	4			56	6	3			41	4	7			37	6	8			37	3	2			26	2	1												
11	88	9	4			56	7	3			39	5	5			33	8	4			37	3	2			26	2	1												
12	87	10	3			57	7	3			38	6	3			33	8	7			36	3	1			26	2	1												
13	88	9	5			57	7	4			39	5	4			34	7	7			37	3	3			26	1	1												
14	89	9	5			58	6	5			40	5	5			35	6	8			38	3	2			26	2	1												
15	88	10	5			58	6	5			41	4	4			37	6	6			39	5	1			26	2	1												
16	87	11	4			57	7	3			44	5	6			42	8	5			41	3	3			26	2	1												
17	89	9	4			61	8	6			52	6	4			49	5	5			41	4	3			26	2	1												
18	95	7	5			66	8	7			56	8	4			52	6	6			40	4	3			26	2	2												
19	96	10	3			69	11	4			57	12	4			52	6	5			38	6	2			25	3	1												
20	99	7	5			73	11	3			59	12	3			52	4	6			37	5	1			25	2	1												
21	99	6	5			73	12	2			59	11	3			52	5	6			36	6	1			25	2	1												
22	99	7	4			74	11	3			60	9	4			52	7	7			37	4	1			25	3	1												
23	99	6	5			75	9	4			61	6	6			52	7	8			37	3	1			25	2	1												

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Month February 1964

Hour (LST)	.135 Fam	.135 Du	.135 Dℓ	.135 Vdm	.135 Ldm	.500 Fam	.500 Du	.500 Dℓ	.500 Vdm	.500 Ldm	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	99	8	6			79	5	6			61	6	6			53	3	6			34	2	1			23	2	1												
01	99	7	6			78	6	5			61	6	5			53	4	6			34	3	1			23	2	1												
02	98	8	4			76	8	3			61	5	6			53	3	6			34	2	1			23	2	1												
03	98	8	4			77	4	6			61	8	7			52	5	5			34	1	1			24	1	2												
04	97	9	6			72	11	8			60	8	7			51	6	5			36	2	1			24	1	1												
05	97	7	6			67	9	7			59	7	6			50	8	3			36	1	1			24	1	1												
06	97	6	6			61	11	6			55	8	4			50	9	4			36	1	1			24	1	1												
07	92	6	3			56	6	3			48	5	3			48	6	3			37	3	1			24	1	1												
08	89	7	3			55	4	6			40	5	4			39	5	3			38	3	1			26	1	1												
09	88	9	3			54	5	3			39	3	3			36	5	4			37	2	1			26	1	1												
10	88	10	3			55	6	5			38	3	3			34	3	5			36	2	1			26	2	1												
11	89	9	3			54	8	3			36	4	2			32	3	4			35	2	1			26	2	1												
12	89	10	4			55	6	5			34	4	3			31	4	3			35	3	1			24	1	2												
13	89	11	3			58	4	6			35	3	3			30	5	2			36	2	2			24	1	2												
14	90	10	5			55	7	2			35	3	2			32	4	4			37	3	2			24	1	2												
15	92	8	6			55	7	2			36	3	3			35	3	3			39	3	3			23	2	1												
16	93	8	6			58	6	4			40	5	3			42	3	4			40	3	3			23	3	1												
17	92	9	3			59	6	6			46	7	3			48	5	4			41	3	3			23	2	1												
18	93	9	5			65	5	10			54	9	4			52	6	4			41	3	3			23	2	1												
19	97	6	5			69	9	7			57	8	6			54	5	6			38	6	2			23	1	1												
20	100	5	7			74	7	8			61	7	7			53	4	5			34	5	2			23	1	2												
21	100	5	6			77	6	10			62	7	7			53	4	6			35	3	3			23	2	2												
22	100	6	6			77	7	7			63	5	7			53	3	6			35	4	3			23	2	2												
23	98	7	5			78	6	7			63	3	7			53	3	6			34	3	1			23	2	2												

Frequency (Mc)

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month December 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	7	2	10.0	15.5	128	6	6	9.5	14.0	105	9	4			85	11	7	11.0	19.5
01	152	3	2	10.5	16.5	129	5	5	10.5	16.0	105	8	4			84	10	7	9.5	15.5
02	152	2	2	11.0	17.0	130	4	6	11.0	17.0	107	6	6			85	8	6	10.5	17.0
03	152	2	2	10.5	16.5	130	4	5	10.0	15.0	107	5	5			85	8	6	11.0	16.0
04	152	3	2	10.0	15.5	131	3	7	11.5	17.0	105	7	4			84	6	8	8.0	15.0
05	152	4	2	10.0	16.0	131	3	5	11.0	17.0	103	8	2			84	4	9	9.5	14.0
06	152	4	0	10.5	16.5	130	4	4	12.0	18.0	103	4	5			77	7	6	11.0	15.5
07	154	2	3	11.5	18.5	124	5	2	12.0	19.0	85	14	9			58	9	4	5.5	8.5
08	148	4	1	12.5	19.5	118	5	4	12.0	17.0	75	17	8			55	6	4	4.5	8.5
09	146	4	2	11.5	18.0	108	8	5	12.0	16.0	71	22	8			53	14	2	5.0	8.0
10	148	2	4	12.5	19.0	105	12	9	10.0	13.0	69	17	5			55	11	4	5.5	8.0
11	148	4	2	13.0	19.0	106	13	7	11.5	14.0	71	20	6			54	10	2	5.0	8.0
12	148	4	3	13.0	20.5	107	13	8	13.0	18.5	69	24	5			55	13	5	6.5	10.5
13	148	3	2	14.5	22.0	108	10	6	13.5	16.5	69	22	5			53	12	2	4.5	9.0
14	148	4	2	14.0	22.0	107	10	7	11.0	15.0	71	25	6			54	8	4	5.0	8.5
15	148	4	2	15.0	22.5	106	9	8	12.0	17.5	65	21	3			55	7	6	5.0	8.5
16	148	5	2	14.5	22.5	104	13	7	10.5	15.0	67	25	6			55	17	3	5.0	7.5
17	148	4	4	13.5	22.0	108	13	11	11.0	15.5	75	24	10			62	17	8	6.5	10.5
18	146	5	3	12.0	19.0	110	9	6	11.0	13.0	79	23	9			69	7	9	12.5	16.5
19	148	4	3	10.0	16.0	114	12	6	11.0	16.0	97	10	9			75	16	9	11.0	18.5
20	150	3	2	9.0	14.5	118	10	6	10.5	13.0	99	7	10			83	6	16	11.0	16.5
21	152	2	4	8.5	14.0	122	6	8	11.0	15.5	101	7	10			82	12	10	12.0	20.0
22	152	3	2	9.5	15.0	124	7	6	10.5	15.0	102	7	10			83	10	12	10.0	17.0
23	152	4	2	9.0	15.0	126	6	4	9.5	13.5	105	10	7			85	13	11	10.0	17.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	60	8	4	8.0	13.0	52	6	2			32	4	0	3.0	5.5	21	1	0	1.5	3.0
01	60	5	4	7.5	12.5	52	6	2			32	4	2	3.5	5.5	21	1	0	1.5	3.0
02	60	5	4	7.0	12.5	52	5	2			32	3	2	3.0	5.0	21	2	0	1.0	3.0
03	60	7	4	8.0	13.0	52	4	2			32	2	4	3.0	4.5	21	2	0	1.0	2.5
04	58	6	2	9.5	15.0	50	4	2	*4.0	*8.0	30	3	2	2.0	3.5	21	2	0	1.0	2.5
05	59	6	5	10.0	15.0	48	4	4	5.0	8.5	30	3	2	2.0	3.5	23	0	2	2.0	3.5
06	58	8	4	9.5	13.5	47	8	4	5.0	9.0	30	2	0	2.0	4.0	23	0	0	2.0	3.5
07	55	5	3	8.0	12.5	48	7	4	5.0	8.0	33	7	3	5.0	7.5	23	1	0	2.0	4.0
08	42	6	4	6.5	10.0	42	9	8	4.0	7.5	34	5	4	6.0	9.0	23	2	2	2.0	4.0
09	34	5	4	5.5	7.5	31	10	3	5.0	8.0	30	6	2	8.0	11.0	23	2	2	2.5	4.5
10	30	4	4	4.0	6.5	28	7	6	5.5	8.0	27	6	6	8.0	11.5	23	3	2	3.0	5.0
11	30	4	4	4.0	5.5	23	6	3	6.5	9.5	25	7	5	4.5	6.5	21	4	0	2.5	4.5
12	28	6	2	4.0	5.5	22	10	4	4.5	6.5	24	6	4	*4.5	*7.0	21	4	0	2.0	4.5
13	30	6	5	4.5	6.5	22	10	4	6.0	8.0	26	7	6	*7.0	*9.0	23	2	2	2.5	4.5
14	28	7	2	4.0	6.0	22	10	2	*4.5	*8.5	28	4	6	5.0	8.0	23	4	2	3.5	5.0
15	30	4	2	5.0	7.0	26	8	5	*6.0	*9.5	30	7	4	6.5	8.5	23	2	2	2.0	4.0
16	32	10	4	5.0	7.5	32	11	4	5.0	8.0	34	5	4	5.0	7.0	23	2	2	2.0	4.0
17	38	11	4	8.0	12.0	42	7	6	5.0	7.5	36	3	5	4.0	6.0	23	2	0	2.0	3.5
18	48	12	5	7.0	10.0	46	7	5	6.5	8.5	34	3	3	4.5	6.5	23	2	0	2.0	3.5
19	52	14	8	9.5	13.0	48	4	5	6.0	9.0	34	2	4	3.5	5.0	23	1	2	1.5	3.0
20	54	11	6	10.0	16.0	48	8	2	6.0	10.0	34	3	2	3.0	5.0	21	3	0	1.5	3.5
21	56	8	5	10.5	16.5	50	7	4	7.0	10.0	34	4	3	3.0	5.5	21	2	0	1.5	3.0
22	57	7	5	7.5	11.5	52	7	4	5.0	8.0	36	4	3	3.5	6.0	21	2	0	1.5	3.0
23	60	4	5	6.5	11.0	52	5	4	5.0	8.0	34	6	2	3.5	6.0	21	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month January 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	152	2	4	12.5	19.0	126	5	4	12.0	17.0	102	9	2			83	7	8	*13.5	22.0
01	152	2	4	13.0	18.0	128	4	5	12.5	18.5	104	6	6			83	9	8	10.0	18.0
02	150	4	2	13.0	20.0	128	4	4	13.0	20.0	104	8	4			79	13	2	10.0	17.0
03	152	2	4	12.5	19.0	128	4	4	13.0	19.0	104	6	4			83	8	7	11.0	18.0
04	152	2	4	12.0	18.0	128	4	4	12.0	18.5	104	7	5			83	10	6	10.0	18.5
05	152	2	4	12.5	19.0	128	4	4	13.0	20.0	102	8	3			79	12	6	10.0	20.0
06	152	2	4	12.0	18.0	128	3	6	12.5	20.0	102	6	6			75	13	4	*12.0	*18.0
07	152	4	2	12.0	18.0	122	6	3	13.5	21.0	88	14	6			59	14	4	*5.0	*8.0
08	148	2	2	13.0	20.0	116	3	4	13.0	19.0	76	19	8			55	13	5	4.5	7.0
09	146	2	2	13.0	20.0	106	14	4	14.0	17.5	74	22	9			55	8	4	5.5	8.5
10	146	2	2	14.5	20.5	102	12	5	12.5	16.0	76	10	12			55	9	4	5.5	9.0
11	146	4	1	15.0	22.0	107	10	11	*13.0	*19.5	76	17	7			53	16	2	*5.0	*8.0
12	146	2	2	14.0	21.0	106	8	8	13.0	16.0	74	13	8			51	16	2	*6.0	*10.0
13	148	2	4	16.0	23.5	106	14	8	12.5	15.0	72	25	8			51	17	2	*5.5	*7.5
14	148	2	4	15.5	24.0	110	10	12	16.0	21.5	70	28	6			51	21	2	*5.0	*8.0
15	146	2	2	17.0	24.0	106	14	8	*12.0	*17.0	68	32	7			49	8	2	3.5	6.0
16	146	4	2	16.0	24.0	103	16	5	12.5	19.5	66	34	6			51	14	2	5.5	9.5
17	146	4	2	16.0	23.0	103	15	5	9.0	12.0	74	26	8			57	25	5	*4.0	*6.5
18	145	4	3	14.0	21.5	108	13	6	6.5	9.5	86	15	18			67	16	8	*9.0	*15.5
19	146	4	4	13.0	20.0	112	12	5	12.5	17.0	92	12	12			73	14	9	*13.0	*21.0
20	148	2	4	12.0	19.0	116	10	7	14.0	18.5	96	9	15			75	14	8	14.0	22.0
21	148	4	1	12.0	18.0	118	9	4	13.0	17.0	98	7	10			77	10	10	13.5	23.0
22	150	2	2	12.0	18.0	122	4	6	11.5	17.5	100	5	8			77	12	8	10.5	21.0
23	152	0	3	11.0	18.0	124	6	4	12.0	17.0	100	9	3			81	11	8	12.0	23.0

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	58	6	6	7.5	11.0	51	4	4			30	4	2	2.5	4.5	22	2	0	1.5	3.0
01	58	3	4	7.0	12.0	51	5	3			30	2	2	2.0	3.5	22	2	0	1.5	3.0
02	60	4	6	8.0	11.5	51	6	3			30	4	2	2.0	4.0	22	2	0	1.0	2.5
03	58	7	2	7.5	12.0	51	4	4			30	4	2	2.0	3.5	22	2	0	1.0	2.5
04	58	7	2	7.5	12.5	49	5	2			30	4	3	2.0	4.0	22	2	0	1.5	3.0
05	58	8	4	7.5	12.0	47	6	2	4.5	7.5	30	1	3	2.0	3.5	24	0	2	1.0	2.5
06	56	9	2	7.5	11.0	45	6	4	4.0	6.0	30	0	2	1.5	3.5	24	0	0	1.5	3.0
07	55	9	3	7.5	12.5	47	6	4	4.0	7.0	32	0	4	2.5	4.0	24	2	0	1.5	3.0
08	44	6	5	4.0	6.5	41	7	4	4.5	7.0	31	4	4	4.5	6.5	24	0	2	2.0	3.5
09	36	9	7	4.0	7.0	31	14	4	4.0	7.5	30	4	5	3.0	5.0	24	0	2	1.5	3.0
10	30	7	4	3.0	4.5	25	14	3	2.0	4.0	25	7	5	4.0	6.0	22	2	0	1.0	3.0
11	28	6	2	3.0	4.5	23	9	4	3.5	6.0	22	6	4	2.5	4.5	22	3	0	2.0	3.5
12	28	7	2	3.0	5.0	23	8	4	2.5	5.0	22	8	4	3.0	5.0	22	2	0	1.5	3.0
13	28	6	4	2.5	4.5	21	14	4	3.0	5.5	24	8	6	3.0	4.5	22	2	1	1.5	3.5
14	28	8	4	2.0	4.5	25	8	6	2.5	6.0	25	12	5	3.0	5.0	22	2	0	2.0	3.5
15	30	10	6	2.5	4.0	27	12	4	3.0	5.0	28	10	4	3.0	5.0	24	2	2	1.5	3.5
16	32	10	6	2.0	4.0	31	11	6	3.0	5.0	32	7	5	3.0	5.0	24	0	2	2.0	3.5
17	36	15	4	3.0	5.0	43	4	6	2.0	4.5	32	10	4	4.0	5.5	22	4	0	1.0	2.5
18	44	12	6	2.5	4.0	45	7	3	3.0	6.0	32	5	3	3.5	5.0	22	2	0	1.0	2.5
19	50	6	5	5.0	7.0	47	6	4	3.5	6.0	32	4	4	3.0	4.5	22	2	0	1.5	3.0
20	52	9	4	6.0	9.0	47	5	4	3.5	5.5	32	4	4	3.0	5.0	22	2	0	1.0	2.5
21	54	7	6	8.0	12.5	49	4	4	4.0	7.0	32	6	4	3.0	5.0	22	2	2	2.0	3.5
22	54	7	6	7.5	11.0	51	4	5	3.5	6.0	34	3	4	3.0	5.0	22	2	0	1.5	3.0
23	56	6	4	6.5	10.5	51	4	4	3.0	5.5	32	4	4	3.0	5.0	22	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Month February 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	150	3	2	12.0	19.0	124	4	4	10.5	16.5	102	6	5	*13.0	*19.5	81	9	8	11.5	18.5	57	8	3	7.5	12.0	54	4	6			33	5	2	3.0	5.0	22	2	0	1.5	3.0
01	150	2	2	12.0	19.0	126	2	3	12.0	18.0	104	3	6	*10.5	*18.0	81	9	6	12.0	18.0	57	8	3	7.0	11.0	54	4	6			33	7	2	3.0	5.5	22	2	0	1.0	2.5
02	150	3	2	12.0	18.5	126	2	2	12.0	17.5	104	4	6	*12.0	*19.0	81	8	6	*8.5	*13.0	59	4	4	7.5	11.0	52	6	2			35	6	4	3.0	5.0	22	2	0	1.0	2.5
03	152	0	4	11.5	18.0	126	2	3	12.5	19.0	104	3	5	*11.0	*18.0	81	10	5	10.5	18.0	59	6	4	8.5	12.0	52	6	2			35	6	4	2.5	4.5	24	0	2	1.5	3.5
04	152	1	2	11.5	18.0	126	4	2	13.0	19.0	102	6	4	*13.0	*20.0	81	8	5	10.0	17.0	59	4	4	*7.0	*11.0	52	4	4			33	4	2	2.5	4.0	24	0	2	2.0	3.5
05	152	2	2	10.5	17.0	126	4	2	12.5	19.0	102	4	6	*14.0	*20.5	79	8	6	10.0	16.0	59	4	4	7.0	11.5	50	6	5	5.0	8.0	31	2	0	2.0	3.5	24	0	0	2.0	3.0
06	152	2	2	10.5	16.5	126	2	2	12.5	19.5	98	6	6	*13.5	*21.0	75	9	8	9.0	15.0	57	6	3	7.0	12.0	46	7	4	4.0	6.0	31	2	0	2.0	3.5	24	1	0	2.0	3.5
07	152	4	1	10.5	17.0	120	4	2	12.0	18.0	84	9	9	*13.0	*16.5	57	8	4	5.0	7.0	55	7	4	8.0	12.0	48	9	2	3.5	5.5	33	4	2	2.5	4.0	24	0	2	2.0	3.5
08	148	2	3	11.0	18.0	114	4	4	11.5	17.5	70	14	4	*9.0	*11.0	53	4	2	4.5	7.5	45	4	7	4.0	6.5	40	7	7	4.0	6.5	33	2	4	4.0	6.5	24	1	2	2.0	4.0
09	146	2	2	12.0	18.0	102	7	6	9.0	12.0	70	14	4	*13.5	*22.0	55	2	2	5.0	7.5	37	6	6	3.5	6.0	30	4	6	4.0	6.0	30	4	3	4.0	6.5	24	0	2	2.5	4.5
10	146	2	2	12.5	18.5	102	9	5	7.0	10.0	68	14	3	*17.5	*27.0	55	2	4	*5.0	*8.0	34	6	5	3.0	5.0	26	5	6	3.5	5.5	27	5	4	3.5	5.5	22	2	0	1.5	3.5
11	146	2	2	13.5	20.0	102	10	4	7.0	10.5	70	12	4	*6.0	*8.5	53	4	2	4.5	7.0	31	4	4	3.5	5.5	22	4	4	*3.0	*5.0	23	6	4	7.5	10.5	22	2	2	1.5	3.5
12	146	2	2	13.5	20.5	104	10	6	10.5	14.0	68	14	4	*5.0	*8.5	53	6	2	*3.0	*5.0	29	8	2	3.0	5.0	22	6	4	*2.0	*4.5	21	6	5	*3.5	*5.5	22	1	2	3.0	5.0
13	146	2	4	15.0	22.0	105	5	5	*6.5	*9.0	68	10	4	*7.5	*11.0	53	6	4	*2.5	*5.5	29	6	2	2.0	4.0	22	2	4	3.0	5.0	22	5	5	*2.5	*4.0	22	2	2	2.0	4.0
14	146	2	4	15.5	23.0	106	10	8	10.0	15.5	68	12	4	*5.5	*8.5	53	8	2	*5.0	*7.5	27	8	0	1.5	3.0	20	8	2	3.5	6.0	23	6	4	3.0	4.5	22	4	2	3.0	4.5
15	146	2	4	15.5	23.0	104	8	6	12.0	16.0	72	8	8	9.0	13.0	53	9	2	*4.5	*7.0	29	8	2	2.5	4.0	22	8	4	3.0	5.0	25	6	2	*4.5	*7.0	22	4	2	2.0	4.0
16	146	2	6	16.5	24.0	102	8	6	9.5	13.0	66	14	4	*9.0	*13.0	53	9	2	3.5	6.0	31	8	2	2.0	4.0	28	10	6	*2.0	*4.0	29	6	2	*4.0	*6.0	22	3	0	2.0	4.0
17	146	2	4	15.5	23.0	100	7	4	4.5	6.5	68	13	4	*6.5	*9.0	53	8	2	*4.0	*6.0	35	10	6	2.5	4.5	32	19	4	3.5	5.5	33	4	4	5.0	7.0	22	3	0	1.5	3.0
18	144	4	2	13.5	21.0	102	12	4	3.0	5.0	74	8	6	*9.0	*14.0	59	12	2	7.0	*9.0	39	8	4	*4.5	7.0	47	3	11	2.5	4.5	33	2	2	3.5	5.0	22	3	0	1.5	3.0
19	146	1	4	12.5	19.5	106	9	2	5.5	7.0	80	9	8	*11.0	*16.0	69	7	8	7.5	11.0	49	6	6	6.0	8.5	50	2	10	3.0	5.0	33	2	2	4.5	6.5	22	2	0	1.5	3.0
20	148	2	4	12.0	19.0	112	6	6	10.0	13.0	88	7	10	*16.0	*23.0	71	8	6	*10.5	*17.0	51	6	4	7.0	10.0	50	2	6	3.0	5.0	33	3	2	3.0	4.5	22	1	0	2.0	3.5
21	148	2	2	11.5	19.0	114	6	6	11.5	15.0	90	9	6	*12.5	*19.0	75	7	6	9.0	15.0	53	5	4	8.0	10.5	52	2	6	3.0	5.5	35	2	4	3.0	5.0	22	2	0	1.5	3.0
22	150	2	4	11.5	18.5	118	5	4	10.0	14.0	96	7	2	*12.0	*17.5	77	13	5	10.5	16.0	55	3	4	7.0	10.5	54	2	6	4.0	6.0	35	2	4	3.0	4.5	22	2	0	1.5	3.0
23	150	2	2	12.0	19.0	122	4	4	11.0	16.0	100	7	4	13.0	*20.5	79	8	5	10.5	17.0	57	4	6	7.0	10.0	54	3	4	4.0	6.0	35	5	4	2.5	5.0	22	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month December 19 63

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	4	8.5	11.0	128	5	2	10.0	14.0	105	8	6	*11.0	*15.0	83	8	6	7.5	10.0	55	6	4	5.5	8.0	52	4	4	*6.0	*8.5	32	7	4	5.0	6.5	24	4	2	2.5	*4.0
01	152	3	3	7.0	10.0	130	4	6	10.5	15.0	105	6	6	11.0	15.0	85	5	8	7.0	9.5	57	6	6	*7.0	*9.0	52	4	4	*5.0	*7.5	34	4	6	4.5	6.0	25	9	3	3.0	4.0
02	153	2	4	8.0	11.0	130	4	6	10.0	14.5	105	6	8	11.5	16.5	83	10	6	7.5	10.0	55	8	4	*9.5	*13.0	52	6	4	*5.0	*7.5	34	6	4	4.5	6.5	26	10	3	3.0	4.0
03	151	4	2	8.0	11.0	128	4	6	11.0	15.5	103	8	6	12.0	17.0	83	8	6	9.0	12.0	55	6	4	6.0	8.0	52	4	4	5.5	8.5	34	4	6	3.5	5.0	26	9	4	3.0	4.0
04	153	3	5	8.0	11.0	128	4	6	10.0	14.0	103	7	10	11.5	17.0	81	12	6	6.0	10.0	55	8	6	6.0	9.5	54	4	6	5.5	6.5	32	6	6	4.0	5.0	26	10	2	3.0	4.0
05	153	2	2	8.0	11.0	128	7	14	10.0	14.0	*109			*7.5	*12.0	80	13	7	6.0	7.0	55	8	6	7.0	10.0	50	6	6	*6.0	*8.0	31	5	4	4.0	5.0	26	9	2	2.0	3.0
06	153	4	2	9.0	11.0	126	4	4	9.5	13.0	97	13	6	9.5	14.0	73	10	8	7.0	9.0	55	15	5	*6.0	*8.0	50	6	4	5.0	8.0	32	4	4	4.0	5.0	26	13	2	*2.0	3.0
07	149	4	2	5.0	8.0	118	8	4	7.0	9.0	89	6	4	*9.0	*12.0	69	2	6	*3.5	*3.0	47	10	4	5.0	7.0	49	7	6	5.5	7.5	36	6	4	4.5	6.5	27	11	2	2.5	4.0
08	147	6	2	5.0	7.5	*115			*3.0	*6.0	*87			*5.0	*9.5	67	6	3	2.0	3.0	45	9	5	*4.0	*6.0	*42			*4.5	*6.0	32	6	3	4.0	5.0	26	8	1	*2.5	4.0
09	147	5	2	*5.0	*7.0	114	5	6	4.0	6.0	89	10	10	5.0	8.0	67	5	5	*3.5	*5.0	43	17	5	*3.0	*4.0	40	20	7	*6.0	*8.5	30	7	3	4.0	5.0	26	4	2	*2.0	3.5
10	147	6	2	5.5	7.0	116	6	6	6.0	8.5	93	16	12	*6.0	*9.0	69	4	4	3.0	4.0	43	9	2	*2.0	*4.0	35	12	5	*6.0	*8.0	38	2	7	*3.0	*4.0	28	8	4	*2.0	3.0
11	149	3	3	5.0	7.5	116	7	6	*6.0	*7.5	91	16	7	*8.5	*14.0	69	6	4	2.5	4.0	43	9	6	*3.0	*6.0	36	16	6	*5.5	*7.5	36	4	5	*3.0	*4.5	26	8	2	*2.5	3.5
12	147	4	2	5.0	7.0	116	9	4	*5.0	*6.0	89	31	6	*8.5	*11.5	69	22	4	2.0	3.0	43	14	4	3.0	4.0	34	22	6	*4.0	*5.0	28	14	4	*4.0	*5.5	26	8	4	*3.0	4.0
13	149	3	2	5.0	7.0	115	9	4	4.5	7.0	89	28	7	7.0	11.0	68	9	3	*3.0	*4.0	43	13	4	3.0	4.0	36	24	8	*4.0	*6.0	30	8	6	3.0	4.5	26	10	0	*3.0	*4.5
14	149	2	2	5.0	8.0	114	5	4	*4.0	*7.0	89	15	10	*5.0	*6.5	67	6	4	2.0	3.5	41	10	2	*2.0	*3.5	34	18	6	*4.0	*6.0	30	4	6	3.0	5.0	28	6	4	*3.0	4.0
15	149	2	2	4.5	6.5	114	4	2	*5.0	*7.0	85	14	6	*7.0	*10.0	67	14	3	3.0	4.5	41	17	2	2.5	4.0	36	22	6	*3.5	*5.0	34	4	4	5.0	7.0	26	0	2	4.0	5.5
16	151	2	4	4.5	6.0	114	28	6	*6.0	*9.0	90	33	7	9.0	12.0	71	27	5	4.0	5.5	43	15	4	3.0	4.0	44	19	15	*5.5	*7.0	36	4	2	*5.0	*6.5	26	4	2	*3.0	4.0
17	149	6	3	5.0	7.0	117	10	3	6.0	9.0	97	18	7	9.0	14.0	76	25	5	7.0	10.0	51	23	6	*3.0	*4.5	48	9	4	4.0	6.5	36	4	4	*4.5	*6.0	26	8	4	3.0	4.0
18	151	4	4	6.0	8.5	120	16	6	9.0	11.0	105	17	6	*12.5	*18.5	79	17	5	5.0	8.0	55	21	8	5.0	7.0	51	3	5	6.0	7.5	36	4	4	4.0	6.0	26	14	4	2.0	3.0
19	151	4	4	6.0	9.0	124	5	8	*10.0	*13.0	103	15	4	*10.0	*16.5	81	16	4	7.5	11.0	53	12	8	5.0	6.5	50	6	4	4.5	6.0	38	2	5	4.5	6.0	24	10	1	*2.0	3.0
20	153	2	4	6.5	9.0	127	4	5	*8.0	*11.0	107	13	8	*9.0	*13.0	81	14	4	7.5	10.5	53	11	4	*4.0	*6.5	52	3	5	*5.0	*7.5	38	4	4	4.0	6.0	25	12	2	*2.5	4.0
21	153	2	2	7.0	9.5	128	5	4	8.0	10.5	107	7	9	*8.0	*11.5	83	6	6	8.0	10.0	55	11	6	*4.5	*6.0	54	10	8	*5.5	*8.0	36	4	4	4.5	6.5	24	8	2	*2.0	3.5
22	153	4	2	8.0	11.0	128	6	4	8.5	12.5	113	8	10	8.5	11.0	83	8	6	6.0	9.0	55	9	7	4.0	5.5	52	6	2	5.0	7.0	34	6	2	4.5	6.0	24	7	2	3.5	4.5
23	153	2	4	8.0	11.0	128	8	4	8.5	12.0	111	9	10	*8.5	*12.0	83	8	4	6.5	9.0	57	8	6	*6.0	*9.0	50	14	2	6.0	8.5	32	8	2	5.5	7.5	24	5	1	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Month January 1964

Hour (LST)	Frequency (Mc)																																					
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	153	2	4	7.5	10.5	128	4	3	7.5	10.5	103	8	2	*7.0	*11.0	81	4	4	5.5	8.0	55	7	6	*4.5	*8.5	54	7	8	4.5	7.0	31	4	0	*2.0	*4.0	25	1	2	2.0	3.5
01	151	4	2	8.0	11.0	128	4	4	8.0	11.5	104	5	5	8.0	12.5	81	6	6	*6.5	*9.0	55	8	5	5.0	8.0	56	9	8	5.5	8.5	33	6	3	4.0	5.0	26	2	4	2.0	3.5
02	153	2	4	8.5	11.0	126	5	2	8.0	11.0	102	5	3	9.0	12.0	79	8	4	6.5	9.0	55	7	6	5.0	7.5	52	7	5	2.5	4.0	33	5	3	3.0	4.5	26	0	6	2.0	3.0
03	151	4	2	8.5	11.0	126	6	4	7.0	10.5	101	6	4	10.5	13.0	79	13	2	5.5	8.0	53	9	4	4.5	6.5	52	11	8	4.0	6.0	33	5	4	2.5	4.0	26	5	3	2.0	3.0
04	153	2	4	9.0	12.0	126	4	5	8.0	11.0	99	11	4	*9.0	*13.5	77	13	4	6.0	8.0	52	9	4	4.0	6.0	52	9	7	4.5	6.5	33	4	4	2.0	3.5	26	12	4	1.5	2.5
05	153	2	4	9.0	11.5	124	4	5	*7.0	*9.0	*99			*8.0	*13.0	77	6	4	*3.5	*5.5	53	10	8	*3.0	*5.0	48	6	5	4.0	6.0	31	3	2	2.0	3.5	26	2	2	*1.0	*2.5
06	151	4	2	7.5	10.5	122	4	3	6.0	7.5	96	9	5	*6.0	*9.0	73	4	4	*2.0	*3.5	54	7	8	*3.5	*6.0	47	6	6	3.0	4.0	33	7	4	*2.0	*3.5	26	4	2	*2.0	*3.0
07	151	2	4	5.5	8.0	118	9	6	4.5	7.0	91	14	8	*5.0	*10.0	71	2	6	*2.0	*4.0	49	10	4	*5.0	*8.0	48	5	9	4.0	6.0	33	10	2	4.0	5.0	26	2	2	*2.0	*3.0
08	148	1	3	5.0	7.5	114	4	6	*3.0	*6.0	*89			*4.0	*5.5	70	5	5	*2.5	*4.5	43	8	4	*3.0	*5.0	40	8	4	4.0	5.0	31	5	0	*3.0	*4.0	25	3	3	1.5	3.0
09	147	2	2	*4.5	*7.0	115	3	3	*3.0	*5.5	*93			*6.5	*10.0	71	4	4	*2.5	*4.5	43	2	4	*2.0	*4.0	*45			5.5	8.0	31	2	4	*3.0	4.5	24	2	2	*2.0	*3.0
10	147	2	2	4.0	7.0	114	4	4	*2.5	*5.0	*91			*7.0	*13.0	71	4	4	*3.0	*4.0	42	14	5	*3.0	*6.0	37	11	9	4.5	7.0	*36			*3.0	4.5	24	2	2	*2.0	*3.5
11	147	2	4	5.0	7.5	115	5	7	*3.0	*6.0	90	5	7			70	7	5	*3.5	*5.0	41	14	4	*3.0	*6.0	*36			4.0	6.0	35	4	8	*4.0	5.0	24	4	2	3.0	4.0
12	147	2	2	5.0	7.5	115	5	4	3.5	6.0	91	2	6	*6.5	*10.5	71	4	3	*3.0	*5.0	43	10	5	*4.0	*6.5	34	17	5	3.0	4.5	27	6	2	*2.0	3.5	24	3	2	2.5	3.5
13	147	4	2	5.5	8.0	116	3	6	*3.0	*5.0	92	9	8	*8.0	*12.0	71	8	3	*3.0	*5.0	46	11	7	*3.0	*5.0	36	17	4	3.5	6.5	*30			*2.0	3.0	24	2	2	*2.0	*3.0
14	149	3	3	5.0	7.5	116	4	11	*4.0	*6.0	87	4	6	*8.0	*8.0	71	4	4	*3.0	*4.5	43	6	4	*3.5	*5.0	*38			3.5	7.0	*29			*3.5	5.0	26	0	4	*2.5	*3.5
15	149	4	2	6.0	7.5	116	3	6	3.0	6.0	91	5	8	*10.0	*14.0	71	6	2	*4.0	*5.0	45	8	6	*4.0	*5.5	42	9	8	4.0	6.0	33	4	4	*3.5	4.0	24	3	2	*2.0	*2.5
16	149	4	4	6.0	8.0	116	4	6	*3.0	*5.0	93	7	10	*8.5	*13.0	73	2	4	*4.0	*5.5	45	10	6	*3.5	*5.0	46	4	8	4.0	5.5	35	5	4	3.0	5.0	24	2	2	2.0	3.5
17	151	2	4	5.0	7.0	118	2	4	*3.0	*5.5	99	7	8	*9.0	*14.0	73	11	2	*3.5	*5.0	48	10	6	*4.0	*6.0	50	7	7	4.5	6.5	37	3	4	3.5	4.5	24	2	2	2.0	3.0
18	151	2	4	5.0	8.0	118	4	2	3.5	6.0	101	10	8	*6.0	*11.0	77	6	4	*4.5	*6.5	52	9	5	3.5	5.5	49	6	6	4.0	6.5	37	8	6	5.0	6.5	24	2	2	2.0	3.5
19	151	2	2	*5.0	*8.0	122	2	6	*4.0	*7.0	101	9	4	*7.0	*16.5	79	2	4	*4.0	*6.5	53	13	6	*4.5	*7.0	48	7	5	4.0	6.0	37	6	4	*3.5	*5.0	24	2	2	2.0	3.0
20	153	2	2	5.5	8.0	124	2	4	5.0	7.0	104	6	5	*6.0	*9.5	79	8	4	*4.5	*6.5	51	12	7	*4.0	*5.5	50	6	6	4.0	4.0	38	3	5	4.0	5.5	24	2	2	2.0	3.0
21	153	2	4	6.0	9.0	128	1	5	6.0	9.0	109	3	6	*8.0	*14.0	81	12	4	*6.0	*8.0	55	6	6	4.0	5.5	50	4	4	4.0	6.0	37	5	4	4.0	6.0	24	2	2	2.0	3.0
22	153	4	4	7.0	9.5	126	5	2	6.0	8.5	111	4	4	*9.0	*12.0	81	12	4	*4.0	*5.0	53	7	4	5.0	7.0	51	6	4	4.0	6.0	33	4	2	4.0	5.0	24	2	2	2.0	4.0
23	153	2	2	7.5	10.5	128	4	4	6.0	9.0	109	9	4	*6.5	*10.5	81	14	2	*5.0	*7.0	53	10	6	4.0	7.0	52	6	7	4.5	7.0	31	4	2	*4.0	*6.0	24	2	2	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India   Lat. 28.8 N   Long. 77.3 E   Month February 19 64

Frequency (Mc)

Hour (LST)	.013 Fam	.013 Du	.013 Dℓ	.013 Vdm	.013 Ldm	.051 Fam	.051 Du	.051 Dℓ	.051 Vdm	.051 Ldm	.160 Fam	.160 Du	.160 Dℓ	.160 Vdm	.160 Ldm	.495 Fam	.495 Du	.495 Dℓ	.495 Vdm	.495 Ldm
00	154	4	2	8.0	11.0	128	5	2	8.0	11.5	109	4	6	11.0	17.0	87	7	6	9.0	14.0
01	154	2	2	8.5	12.0	128	4	2	7.5	10.0	107	6	3	11.0	16.0	85	10	4	10.0	14.5
02	154	2	2	9.0	12.0	128	5	2	8.0	11.0	107	6	4	11.0	16.0	85	11	4	10.0	16.5
03	154	2	2	9.0	12.0	128	4	2	8.0	11.0	106	7	3	10.0	16.0	85	8	6	9.5	14.0
04	154	2	2	9.0	12.5	128	6	4	7.0	9.5	105	6	6	11.0	16.0	85	6	6	8.0	11.5
05	154	2	2	9.0	13.0	126	4	2	8.0	11.0	108	9	11	10.0	13.0	79	9	6	5.0	6.0
06	154	2	2	9.0	12.5	124	5	2	6.0	8.0	95	10	4	*10.0	*13.5	71	16	2	3.0	4.0
07	150	4	2	7.0	9.5	120	8	2	3.5	6.5	91	4	7	*8.0	*10.5	69	20	2	2.0	4.0
08	148	4	2	7.0	10.0	120	11	4	3.5	7.0	91	10	8	*6.0	*10.0	69	19	6	*3.0	*4.0
09	148	2	2	7.0	9.5	118	9	2	3.5	6.5	95	20	10	*10.5	*20.5	69	2	4	*3.0	*4.0
10	148	2	2	8.0	11.5	118	2	2	*3.0	*6.0	*89			*14.5	*20.5	69	11	4	2.5	4.0
11	148	2	2	8.0	10.0	118	3	3	*3.5	*6.0	*89			*5.5	*8.0	71	12	4	*4.0	*6.0
12	148	2	2	*8.0	*9.5	120	7	3	5.0	6.5	*92			*12.5	*17.5	69	6	4	*4.5	*6.0
13	148	3	2	8.0	10.5	119	6	3	4.5	7.0	*93			*12.5	*17.5	69	11	1	*4.0	*5.5
14	150	2	4	8.5	11.5	120	8	5	5.0	8.0	92	10	10	*15.0	*20.0	69	14	4	*11.0	*14.0
15	150	2	3	9.5	12.0	120	10	3	5.0	7.0	91	8	8	*11.0	*13.0	69	16	4	6.5	8.0
16	152	2	4	10.0	13.0	118	10	2	5.5	7.5	94	14	10	*11.0	*15.0	69	14	4	7.0	8.5
17	152	0	4	7.5	10.0	122	10	6	6.5	10.0	101	13	8	10.0	15.5	81	14	8	6.5	9.5
18	152	2	2	7.5	10.0	124	8	6	7.0	11.0	107	7	8	11.0	16.0	85	11	8	9.5	13.5
19	152	4	4	8.0	11.0	124	5	4	8.5	11.0	107	6	8	11.0	16.5	87	10	11	11.5	16.0
20	154	2	4	8.5	11.0	124	7	2	8.0	12.0	107	10	6	*9.0	*14.0	85	12	6	8.0	13.0
21	154	2	4	8.0	12.0	128	6	4	7.0	10.5	109	8	6	8.0	14.0	85	12	7	8.0	12.5
22	154	4	4	8.0	10.5	128	6	3	6.0	9.0	113	6	11	8.0	13.5	85	10	5	10.0	16.0
23	154	2	0	8.0	11.0	129	5	3	6.5	9.5	111	6	6	8.0	13.0	85	8	4	9.0	15.0

Hour (LST)	2.5 Fam	2.5 Du	2.5 Dℓ	2.5 Vdm	2.5 Ldm	5 Fam	5 Du	5 Dℓ	5 Vdm	5 Ldm	10 Fam	10 Du	10 Dℓ	10 Vdm	10 Ldm	20 Fam	20 Du	20 Dℓ	20 Vdm	20 Ldm
00	61	10	8	6.5	9.5	55	7	7	5.5	8.0	32	6	6	3.0	4.5	25	2	1	1.5	3.0
01	61	4	9	6.0	7.5	56	4	6	5.0	8.5	34	4	8	3.5	5.0	25	2	0	2.0	3.0
02	61	6	8	6.5	10.0	56	4	8	4.5	7.0	34	8	6	4.5	6.0	27	0	2	2.0	3.0
03	59	8	10	5.0	8.5	56	4	4	*4.5	*7.0	35	6	5	2.0	4.5	27	0	2	1.5	2.5
04	59	10	8	6.0	9.0	52	4	4	5.0	8.0	32	8	4	2.5	4.5	27	2	2	2.0	3.0
05	57	10	6	7.0	10.0	48	8	2	4.0	6.0	32	4	4	2.5	3.5	27	2	2	2.0	3.0
06	55	14	6	4.5	7.0	50	4	4	5.0	7.0	32	8	3	*3.0	*4.0	27	2	1	2.0	2.5
07	47	17	4	*3.5	*6.0	48	9	2	4.0	6.5	36	6	4	4.0	6.0	27	2	2	2.0	3.0
08	43	22	4	*2.0	*3.5	38	18	5	*3.0	*6.0	34	6	4	4.0	6.0	27	0	2	1.5	3.0
09	41	8	2	3.0	3.5	38	14	6	3.0	4.5	30	8	2	*3.5	*5.0	27	2	2	2.0	3.5
10	41	11	6	2.0	3.5	*32			*3.5	*7.5	*38			*2.5	*4.0	25	2	0	2.5	3.5
11	40	3	5	*3.0	*4.0	*30			3.5	5.0	*36			*3.5	*6.0	25	2	2	2.5	3.5
12	41	3	4	2.5	4.0	*30			*5.5	*7.0	28	6	6	*5.0	*6.0	25	4	2	3.0	4.0
13	41	6	4	2.5	4.0	32	10	6	3.0	5.5	30	4	6	5.0	7.0	26	3	3	*3.0	4.5
14	41	5	4	2.5	4.0	41	9	9	*7.0	10.0	34	6	8	*7.0	*10.0	27	2	2	*3.0	4.0
15	42	9	5	2.0	4.0	44	8	14	4.5	8.0	38	7	8	*6.0	*8.5	*27			*3.0	4.5
16	45	12	6	3.0	6.0	45	11	13	6.5	9.0	39	17	8	6.0	8.0	*27			*5.0	5.0
17	53	9	11	6.5	8.0	54	6	5	7.0	10.0	42	14	8	7.0	10.0	27	3	3	4.0	5.0
18	59	10	8	6.5	10.0	56	6	6	7.5	10.5	42	14	8	6.5	8.5	26	3	1	2.5	3.5
19	59	12	8	6.0	9.0	56	4	10	6.5	8.0	39	17	7	4.5	6.5	25	3	2	2.5	3.5
20	59	10	8	7.0	11.0	55	7	8	7.0	9.0	40	6	8	4.0	5.5	25	2	2	2.0	3.0
21	61	9	8	6.0	9.0	54	6	6	5.0	6.0	40	4	10	4.0	6.0	25	1	2	2.0	2.5
22	61	10	8	5.5	8.0	54	6	6	4.5	6.5	36	7	5	4.0	5.5	25	1	2	2.0	2.5
23	59	10	4	6.0	9.0	56	6	6	4.5	7.0	34	8	4	4.0	5.0	25	1	2	1.5	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month December 19 63

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}*	L_{dm}*	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	150	5	7	10.0	15.0	126	8	2	10.5	15.5	108	8	6	7.0	12.0	84	12	2	6.0	10.0	56	9	4	5.0	8.5	53	5	3	6.0	10.0	31	5	2	2.0	4.0	23	0	0	1.0	2.5
01	151	4	8	10.0	15.5	128	6	4	11.0	18.0	110	6	10	8.0	13.0	86	8	4			56	10	8	7.5	12.5	54	2	4	4.0	7.5	31	4	2	2.5	4.0	23	2	2	1.0	2.5
02	151	4	10	12.0	17.0	128	8	6	11.0	17.0	110	6	16	8.0	13.0	84	10	4	7.5	12.5	55	5	5	7.0	11.0	54	6	4	4.5	7.5	31	4	2	2.5	4.0	23	0	2	1.0	3.0
03	153	4	12	13.5	19.5	129	9	5	12.0	18.5	108	8	14	8.5	13.5	86	10	6	8.5	16.0	54	14	4	6.0	10.0	50	11	2	5.0	8.0	29	4	0	2.0	3.5	23	2	0	1.0	2.5
04	153	5	10	13.0	18.0	128	8	6	11.5	17.5	106	14	12	9.0	15.0	84	11	6	7.0	12.5	55	11	5	5.0	9.0	50	4	4	5.0	7.5	29	2	2	2.0	3.5	23	2	0	1.0	3.0
05	151	6	8	12.0	17.5	126	10	4	12.5	20.0	102	6	8	12.0	18.0	80	11	10	10.0	16.0	54	18	6	9.0	14.0	50	10	8	4.0	7.0	29	3	0	1.5	3.0	23	2	0	1.5	3.5
06	151	4	8	13.0	19.0	122	9	6	13.5	19.5	88	10	4	15.0	21.0	62	20	4			54	11	4	5.5	9.5	50	13	4	6.5	10.0	33	6	2	4.0	6.0	25	1	2	1.5	3.0
07	147	5	4	11.0	17.0	124	10	4	12.5	18.0	78	22	6			60	20	4	15.0	25.0	47	11	5	7.0	11.5	48	6	8	6.0	9.5	39	6	4	4.0	6.0	25	0	2	1.5	3.0
08	149	5	6	13.0	19.5	108	14	8	14.0	21.5	78	10	6			60	20	6			42	6	4	7.5	11.0	40	11	6	6.5	10.0	37	10	6	9.0	13.0	25	2	0	1.5	3.0
09	150	5	7	13.0	19.0	108	12	9	13.0	19.5	80	17	8			60	10	3	1.5	3.0	40	3	2	8.0	11.5	38	12	4	6.0	9.0	37	8	4	2.0	4.0	25	4	2	1.5	3.0
10	149			14.0	19.5	112					74					58	9	2	15.5	20.5	41	1	7	8.0	11.0	34	8	4	5.5	8.0	33			4.0	7.0	25	5	2	1.5	3.5
11	151	7	4	14.0	20.0	112	15	5	11.0	18.0	76	24	6	16.5	25.5	58	19	4	6.0	9.0	40	4	2	6.5	9.0	34	14	2	5.0	7.5	31	8	2	3.0	5.5	25	2	2	2.0	3.5
12	147	8	4	12.5	19.0	112	14	4	13.5	19.0	75	27	5	13.5	24.0	58	32	4			38	8	2	8.5	14.0	32	11	2	7.5	10.0	32	7	3	4.5	6.5	25	2	4	1.5	3.0
13	150	5	7	10.5	17.0	112	18	4	10.0	14.5	74	32	4	1.5	3.0	60	17	6			40	2	2	7.5	11.0	34	11	2	8.5	11.0	34	5	3	5.0	8.0	25	6	0	2.0	4.0
14	151	6	8	10.0	15.5	112	18	4	12.0	19.0	74	32	4	16.5	23.5	62	12	6			40	5	2	8.0	11.0	36	11	4	7.0	9.5	35	4	4	3.0	5.5	25	2	0	2.0	3.0
15	151	6	8	9.0	13.5	110	12	8			80	16	8	10.5	19.5	62	19	6	7.0	12.5	40	8	4	4.5	8.0	40	8	6	6.0	9.5	37	4	4	2.5	4.5	25	2	1	1.5	3.0
16	151	4	8	9.0	14.0	112	18	10			88	20	12	18.0	26.5	70	18	6			42	12	4	6.0	9.0	46	8	8	5.5	9.0	37	4	4	4.0	6.0	25	0	1	1.5	3.0
17	153	2	8	9.0	14.0	117	16	5			94	18	6	9.0	14.0	78	15	6	8.0	13.0	52	13	8	6.5	10.0	50	8	8	5.0	8.5	37	4	4	3.0	5.5	25	0	3	1.5	3.0
18	153	4	8	10.0	15.0	124	9	4	13.5	19.0	100	12	6	13.5	21.0	82	10	4	9.0	16.0	56	10	12	7.0	11.5	50	9	4	5.0	9.0	37	6	6	2.5	4.5	23	2	0	1.5	3.0
19	154	3	11	10.5	16.5	126	8	4	10.5	16.0	100	13	5	7.5	12.0	82	11	5	4.0	7.5	54	16	6	6.5	10.0	52	7	2	3.0	6.0	37	4	4	3.5	6.0	23	1	0	1.5	3.0
20	153	4	10	9.5	14.0	128	5	4	14.0	20.0	102	13	6	7.5	13.5	82	14	6			56	8	4	4.0	7.5	53	4	3	5.0	8.0	35	2	4	3.5	6.0	23	0	0	1.0	3.0
21	153	4	10	10.5	17.0	128	4	4	10.5	16.0	106	11	6	5.5	10.5	84	12	6	6.5	11.0	56	13	4	6.0	10.0	52	6	4	4.0	7.0	31	3	2	3.0	5.0	23	1	0	1.0	2.5
22	153	2	10	11.0	16.0	130	2	7	11.0	17.5	108	6	14	7.0	12.5	84	10	2	5.5	9.0	56	11	5	5.0	8.5	52	4	4	6.0	9.0	31	2	2	2.0	3.5	23	0	2	1.0	2.5
23	153	2	10	12.0	17.0	127	7	5	11.0	17.0	108	4	10	13.5	14.0	84	10	2	6.0	10.0	56	7	4	6.0	11.5	52	5	2	5.0	9.0	31	2	2	2.0	4.0	23	0	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month January 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	151	3	2	11.0	15.0	126	5	3	*15.5	*22.5	108	4	5	9.0	15.0	85	10	3	7.5	13.0	61	9	9	11.0	15.5	58	4	4	5.5	8.5	31	4	2	*2.0	*4.0	23	6	2	1.5	3.5
01	151	4	4	*10.5	*16.5	127	5	4	*15.0	*22.0	108	6	5	12.0	19.5	87	7	4	12.5	19.0	*60			7.0	11.5	56	5	6	2.5	5.5	31	13	2	*3.0	5.0	*23			1.0	3.0
02	151	4	3	*11.5	*16.5	127	6	5	*12.0	*19.0	106	5	5	9.5	15.5	85	9	2	5.0	10.0	58	10	4	5.5	8.0	58	9	6	5.0	9.0	31	8	2	*2.5	4.0	23	6	0	1.0	3.0
03	151	5	3	*12.0	*17.5	128	5	6	*16.0	*23.0	104	9	4	14.0	22.0	85	9	4	10.0	16.5	56	14	4	8.0	12.0	62	12	12	7.0	10.0	31	7	2	2.0	4.0	*23			1.0	2.5
04	151	5	3	*12.5	*16.5	127	7	5	*11.0	*18.5	104	8	4	9.0	15.0	83	11	4	10.5	16.0	56	12	4	9.0	13.5	60	10	10	7.0	9.0	31	2	2	2.0	3.0	*23			*0.5	*2.5
05	153	4	7	*13.0	*18.0	125	10	6	*10.5	*18.0	100	12	4	12.5	21.0	77	14	6			56	18	4	7.5	12.5	57	11	9	4.0	7.0	29	2	2	*2.0	*3.5	23	4	0	*1.0	*3.0
06	151	5	6	12.0	18.5	119	9	4	*17.0	*22.0	92	15	6	8.5	12.0	63	17	6	9.0	13.0	56	17	6	6.0	10.0	56	7	10			33	4	2	3.0	5.0	23	3	0	*1.5	*3.5
07	147	4	2	*10.0	*15.5	115	12	4	*14.5	*20.0	77	24	5	4.0	6.0	63	17	7			48	14	2	6.0	9.0	54	5	6	5.0	7.5	43	14	8	*3.0	*5.5	*25			*1.0	*3.0
08	149	3	8	*11.0	*16.0	105	15	4	*12.0	*18.5	76	21	3	12.0	20.0	68	8	2	2.0	3.0	44	7	2	10.0	13.5	46	12	5	3.0	5.0	42	10	7	*2.5	*5.0	*23			*2.0	*3.0
09	149	4	6	13.0	18.5	103	17	4	*10.0	*15.0	75	23	3	11.0	19.5	61	15	2	17.0	23.5	44	5	2	7.5	11.0	44	10	8	6.0	8.0	*35			*2.0	*4.0	*23			*2.0	*3.5
10	147	6	4	*14.5	*19.0	*107			*15.5	*21.0	*72			2.0	3.5	*61					*43			9.0	11.5	*38					*33			*4.0	*6.0	*24			*1.5	*3.5
11	147	6	2	*13.0	*18.0	109	4	6	*15.0	*21.0	72	17	2	3.0	5.5	61	12	4	2.0	3.5	*44			8.0	11.0	*40			6.5	9.5	33	6	4	*3.0	*5.0	*27			*2.5	*4.0
12	149	5	5	14.5	19.0	109	7	4	*14.0	*21.0	74	18	4	1.5	2.5	61	12	4			42	6	2	9.0	13.5	37	5	3	3.5	6.0	31	7	4	*4.0	*6.5	23	10	0	*1.5	*3.0
13	149	4	4	*12.5	*18.5	109	17	2	*12.0	*19.5	74	35	4	6.0	8.5	63	22	6	2.0	3.5	44	9	2	9.0	12.5	38	8	2	6.0	8.0	33	8	4	*5.0	*7.5	25	4	2	*1.5	*3.0
14	151	2	5	13.0	18.0	109	14	4	*12.5	*17.5	72	34	1	2.5	4.0	61	22	3	4.0	5.0	44	5	2	8.5	12.5	40	9	4	6.5	9.0	33	10	5	*2.0	*3.5	*25			*1.0	*2.5
15	151	4	3	12.0	17.5	107	19	4	*11.0	*16.0	76	26	5			66	12	7			42	6	2	9.0	12.5	48	7	9	4.0	6.0	35	7	2	*3.0	*5.0	25	4	2	*1.5	*3.0
16	151	3	4	*11.5	*17.0	109	16	8	*14.0	*17.5	82	27	8	3.0	5.5	65	26	3	3.0	9.0	46	10	6	9.0	12.0	48	17	6	8.0	12.0	39	7	6	*3.0	*5.0	23	4	2	2.5	4.0
17	150	4	3	10.0	15.5	113	12	4	*14.0	*18.0	88	23	6	11.0	18.0	79	14	8	9.0	16.0	49	15	5	6.0	7.5	52	15	6	6.0	7.0	37	8	2	*3.0	*6.0	23	4	0	*1.5	*3.5
18	151	4	3	9.5	15.0	122	5	5	*10.0	*15.5	96	15	5	9.5	15.5	79	14	4	4.0	9.0	52	17	6	7.0	11.0	54	15	5	8.0	11.0	36	9	5	3.5	5.5	*23			2.0	3.5
19	153	4	5	*9.0	*14.5	125	7	6	*9.5	*16.0	98	11	4	14.5	21.5	86	10	8	8.5	13.0	54	16	6			56	17	4	5.5	8.5	37	6	6	4.0	6.5	*23			*2.0	*3.5
20	153	4	4	*12.5	*18.0	126	5	5	10.0	17.0	100	12	5	8.5	13.5	80	9	4	6.0	10.5	56	16	4	6.0	11.0	58	12	6	6.5	9.5	34	5	3	3.5	5.5	23	6	2	*2.0	*3.5
21	153	3	5	11.0	16.5	125	5	5	10.5	17.5	112	9	4	7.5	12.5	84	12	3	9.0	15.5	60	6	8	7.0	10.5	54	21	6	5.5	6.5	32	3	3	2.5	4.0	21	9	0	*1.5	*3.5
22	151	5	2	9.5	15.0	127	5	4	10.0	16.0	112	12	2	7.5	12.0	85	9	4	7.5	13.0	58	12	4	10.0	15.5	55	4	6	5.0	8.0	29	9	2	*2.0	*4.0	23	10	2	*1.5	*3.5
23	151	4	4	10.0	15.0	127	5	4	13.5	21.0	106	9	3	6.0	11.0	87	11	4	7.5	12.5	56	10	2	6.0	9.0	56	5	2	5.0	8.5	31	6	4	*3.0	*5.0	23	2	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Month February 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*	Fam	Du	Dℓ	Vdm*	Ldm*
00	151	4	1	*10.0	*14.5	125	4	3	11.0	17.5	105	4	2	13.0	18.0	84	3	3	7.5	12.0	59	10	5	6.0	10.0	58	5	4	7.0	10.5	32	5	2	2.5	4.5	23	0	2	2.0	3.5
01	152	2	3	*11.0	*15.5	126	3	3	12.0	19.0	107	3	3	10.0	15.5	85	5	4	9.5	15.0	59	7	3	6.5	10.0	56	7	3	6.0	9.0	34	6	2	2.5	5.0	23	0	0	1.5	3.0
02	153	2	3	11.0	15.5	127	4	4	13.0	20.0	107	4	3	10.0	16.0	85	4	3	11.5	18.0	58	3	3	7.0	11.0	56	7	2	5.0	8.5	34	4	2	3.0	5.0	23	0	0	1.5	3.0
03	153	2	2	*11.0	*16.5	127	2	4	11.5	18.0	105	6	2	11.0	17.5	83	4	4	12.5	19.0	57	6	3	9.0	11.5	70	4	4			34	4	2	2.0	4.0	23	0	0	1.0	2.5
04	153	2	4	*12.0	*15.0	127	2	6	14.0	20.0	103	8	4	10.5	18.5	81	6	4	8.0	13.5	57	10	4	9.0	12.5	68	6	8	8.0	12.0	32	2	0	1.5	3.5	23	2	0	*1.0	*2.5
05	153	2	3	*11.0	*15.0	125	4	6	13.5	20.0	99	7	5	12.5	18.5	77	6	6			54	6	3	4.0	12.0	64	5	8			32	2	0	2.5	4.0	23	2	0	*1.0	*2.5
06	151	4	2	11.5	16.0	119	4	6	12.0	18.0	89	4	6	10.5	16.5	63	3	4			55	4	4	7.0	10.5	58	8	4			34	5	2	*3.5	*5.0	23	0	0	1.5	3.0
07	147	2	2	*11.0	*15.5	111	5	4	13.5	21.0	75	7	4	5.0	7.0	59	7	2			45	5	2	5.0	8.5	51	7	5	6.0	9.5	38	2	3	*4.5	*6.5	23	2	0	*1.0	*3.0
08	147	3	3	*11.0	*15.5	101	12	4	8.0	12.0	73	11	3	5.0	6.5	59	8	2			43	4	2	6.0	9.5	43	6	4	8.0	10.0	36	16	3	*4.0	*6.0	23	2	0	1.5	3.0
09	149	2	6	*13.0	*18.0	101	16	8	17.0	23.0	73	14	2			61	6	4	9.5	11.5	43	2	2	7.0	10.5	38	6	2	7.0	9.5	34	6	2	*5.0	*7.5	25	21	2	*1.5	*3.5
10	149	3	4	*10.0	*13.5	*101					74	21	3	7.0	10.0	61	12	4			41	4	0	6.5	9.0	*36			8.0	10.0	33	7	3			25	13	2	*3.0	*5.0
11	147	4	4	*12.5	*17.0	105	4	6	15.0	19.5	73	20	2			59	6	2	12.5	15.5	41	4	2	8.0	11.0	36	8	2	6.5	9.5	32	6	2	*4.0	*4.5	25	10	2	2.5	4.0
12	147	4	4	*13.5	*17.5	105	10	4	14.5	24.0	73	14	2	9.0	14.5	59	4	2			41	2	2	7.5	11.0	36	6	2	8.0	11.0	33	4	4	*3.0	*5.0	25	15	2	*2.0	*4.0
13	147	4	1	14.5	18.5	107	3	4	13.0	20.0	73	12	2	2.0	3.0	61	6	4	9.0	11.0	42	3	1	7.5	11.0	36	4	2	6.0	9.0	34	4	2	*3.5	*5.0	25	30	2	2.0	3.0
14	149	2	2	*11.5	*16.0	107	2	4	14.0	19.0	72	8	1	15.0	18.5	61	3	4			41	2	0	7.5	10.5	38	6	2	6.0	9.5	36	6	2	4.5	7.5	24	4	1	*2.0	*4.0
15	149	2	2	12.0	16.0	105	2	2	10.5	16.0	73	12	2			60	10	3	2.5	5.0	41	4	0	9.0	12.0	44	4	6	6.0	10.0	38	2	3	*4.5	*6.0	25	16	2	2.0	3.5
16	151	1	4	*11.0	*16.0	101	7	4	10.0	13.5	75	18	2	4.0	6.0	65	8	6			43	5	2	8.0	11.0	52	14	4	7.5	12.0	40	6	4	*5.0	*7.5	23	14	0	1.5	3.0
17	149	4	2	11.0	16.5	107	8	6	10.5	14.5	83	18	6			75	7	4	8.0	13.5	50	6	4	7.5	11.5	65	5	8			40	4	4	4.0	6.0	23	3	0	2.0	3.0
18	149	4	2	11.0	16.0	117	3	4	12.5	18.0	93	10	6	8.5	13.5	81	5	6	8.0	13.0	55	6	4	7.5	11.0	64	4	8	6.5	11.0	38	4	4	*4.0	*6.5	23	12	2	2.5	4.0
19	151	4	2	*11.0	*16.5	121	3	4	12.0	18.0	97	5	5	11.0	17.5	83	6	4	7.0	11.0	53	9	3	4.5	7.5	64	4	4	6.5	12.0	36	6	4	3.0	5.0	23	9	2	*2.0	*3.5
20	153	2	6	*12.0	*17.5	123	4	4	12.5	19.0	101	6	4	8.5	14.0	85	13	6			55	10	3	10.0	13.0	66	6	5	9.5	15.5	36	10	4	*3.0	*4.0	23	0	2	2.0	3.5
21	153	2	4	*12.0	*16.5	123	6	2	10.5	17.0	103	5	4	11.5	19.0	85	6	4			57	7	4	6.0	9.5	70	6	8	2.0	4.5	33	10	3	*4.0	*5.0	23	0	2	*2.0	*3.5
22	153	2	4	*10.0	*15.0	125	4	4	12.0	19.0	103	6	2	9.5	15.5	85	6	4	10.0	15.5	59	6	4	6.0	8.5	54	4	3	6.0	10.0	32	6	1	3.0	5.0	23	0	2	*2.0	*3.5
23	151	2	2	*10.0	*14.5	125	2	4	12.5	18.5	105	4	4	9.0	15.0	85	2	4	8.5	13.0	59	9	3	6.0	10.0	54	3	2	4.0	8.0	34	6	4	3.0	4.5	23	0	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa   Lat. 25.8 S Long. 28.3 E   Month December 19 63

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	147	10	3			126	11	5			108	12	6			91	10	6		
01	147	7	2			126	12	4			108	11	6			90	23	7		
02	147	6	4			126	10	6			106	11	4			89	13	7		
03	147	6	5			126	10	7			108	10	19			87	10	18		
04	147	4	8			122	11	12			108	6	27			85	7	29		
05	145	6	4			119	10	12			88	12	12			59	22	6		
06	143	6	5			114	10	8			86	12	14			57	8	4		
07	141	8	4			109	12	9			82	18	8			59	9	6		
08	*141					108	17	8			84	11	6			57	8	4		
09	143	8	4			114	10	15			84	12	4			59	6	4		
10	143	8	4			114	11	11			83	19	5			61	20	6		
11	149	4	7			126	7	15			93	25	12			61	30	8		
12	151	7	6			130	9	14			107	15	23			71	33	20		
13	155	6	7			132	11	9			113	15	25			83	23	30		
14	156	9	6			132	12	9			114	14	30			93	15	38		
15	157	6	7			134	12	12			118	11	28			85	27	27		
16	155	11	3			135	13	10			112	21	24			81	38	24		
17	157	15	8			132	20	11			110	28	20			89	26	33		
18	154	7	8			132	13	13			112	27	16			92	22	25		
19	153	8	6			132	11	10			113	12	12			95	7	20		
20	153	5	8			133	9	9			114	11	10			93	11	10		
21	151	6	6			132	9	9			110	14	6			95	10	12		
22	151	8	7			130	8	6			110	12	6			95	10	12		
23	148	9	5			126	13	3			108	11	7			91	12	8		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	63	10	8			55	8	6			40	4	8			18	8	2		
01	63	8	12			55	8	8			40	4	10			18	8	2		
02	59	12	6			53	8	4			36	6	6			16	4	0		
03	61	6	7			53	8	8			36	4	4			16	3	0		
04	59	8	8			51	5	6			34	7	2			18	2	2		
05	53	8	12			51	5	6			38	6	8			18	1	2		
06	43	8	6			46	7	9			36	5	4			18	2	2		
07	41	5	2			41	10	6			34	6	6			18	2	2		
08	*41					36	11	8			30	6	4			18	4	2		
09	39	6	2			33	7	6			28	6	4			20	2	4		
10	41	7	6			31	9	5			28	8	4			20	2	2		
11	41	13	4			33	7	9			32	7	7			22	2	3		
12	43	21	7			35	13	11			31	11	5			23	3	5		
13	53	19	14			41	16	11			38	10	10			24	4	7		
14	52	24	13			43	14	11			37	9	7			26	7	8		
15	55	23	14			46	20	15			42	9	11			27	9	10		
16	56	30	15			51	19	15			44	15	9			*28				
17	59	29	15			49	30	9			46	21	14			27	18	11		
18	65	19	14			53	15	9			48	24	10			24	13	8		
19	70	5	13			61	4	8			48	6	7			24	5	8		
20	71	12	9			59	5	7			46	7	6			22	7	6		
21	71	6	16			59	4	8			44	8	6			18	6	2		
22	67	8	8			55	6	8			42	4	6			18	3	2		
23	65	10	14			55	6	8			40	4	8			16	4	0		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month January 19 64

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	154	19	4			136	23	8			121	22	16			101	21	12			71	12	12			58	24	6			42	30	6			21	12	2		
01	158	14	8			134	20	6			118	13	11			102	21	12			69	19	11			58	16	6			42	16	6			21	16	2		
02	156	16	6			134	13	5			117	13	12			97	18	8			69	10	10			58	10	8			39	11	5			22	10	3		
03	156	6	8			132	14	5			117	11	12			97	12	11			69	10	9			56	8	4			36	6	4			23	8	4		
04	154	8	6			132	14	10			115	13	12			95	10	11			67	10	10			56	4	4			35	5	5			21	11	2		
05	152	10	6			130	10	9			107	18	16			85	19	22			61	10	10			54	4	4			35	5	5			21	6	2		
06	150	12	8			126	14	4			101	22	20			69	37	10			52	13	9			50	10	6			38	7	2			21	5	2		
07	149	8	7			122	16	10			103	11	22			68	35	11			47	20	6			46	10	10			36	8	4			21	10	2		
08	152	8	8			122	16	14			101	10	20			69	19	10			*45					43	7	9			32	8	2			23	10	4		
09	149	11	9			122	14	12			98	17	19			65	28	6			45	24	6			37	13	5			34	9	5			23	6	3		
10	150	11	8			123	13	11			97	21	16			65	26	6			45	10	4			38	8	7			34	5	6			23	6	2		
11	152	10	8			126	14	12			104	20	23			78	21	19			49	6	7			40	10	6			36	6	8			*24				
12	155	10	5			134	12	14			116	12	30			91	14	30			51	15	10			40	14	7			38	6	7			*25				
13	161	5	7			138	10	14			121	12	25			95	14	18			59	13	15			45	10	9			40	6	4			*29				
14	161	9	5			144	4	11			124	9	12			97	12	10			61	13	13			48	13	8			42	6	4			27	8	6		
15	165	5	6			146	4	15			127	7	13			103	13	13			63	18	10			54	7	13			46	4	6			*29				
16	164	6	5			146	6	12			127	11	16			104	9	15			65	19	14			56	13	11			46	15	7			28	14	6		
17	164	8	5			148	6	15			127	10	17			105	8	15			69	17	14			60	11	11			48	9	7			27	9	8		
18	162	8	6			144	10	10			127	11	16			103	12	12			71	11	10			62	8	9			48	16	4			29	6	10		
19	162	8	8			144	8	10			128	9	10			103	16	14			77	8	14			64	7	13			46	15	4			23	16	4		
20	162	11	8			144	10	12			127	14	14			106	15	13			77	14	12			63	13	9			47	13	3			24	16	5		
21	162	14	10			142	14	14			127	16	18			105	19	10			77	13	14			62	14	8			47	17	7			23	18	4		
22	158	16	8			143	18	13			126	13	16			107	14	14			75	6	12			62	6	8			44	12	6			21	16	2		
23	159	15	6			139	19	11			123	20	16			105	20	15			75	12	12			60	8	8			44	18	8			23	17	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8 S Long. 28.3 E Month February 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	161	4	4			136	6	6			113	8	6			98	8	6		
01	161	4	4			136	8	6			112	9	8			100	8	7		
02	159	4	2			136	6	6			111	8	9			98	8	10		
03	160	4	3			136	6	6			110	9	9			98	4	10		
04	159	4	4			135	7	5			109	8	8			94	8	8		
05	159	6	4			130	6	4			103	10	15			88	10	14		
06	157	4	6			124	14	4			93	17	16			63	18	7		
07	155	6	4			123	15	7			87	12	14			64	17	7		
08	154	5	5			*122					*85					62	13	2		
09	153	10	3			120	13	7			87	16	14			67	7	7		
10	155	6	6			120	10	6			85	17	13			64	10	4		
11	155	8	4			124	10	8			87	20	12			65	14	7		
12	159	8	4			128	12	8			91	22	11			72	20	14		
13	162	7	5			132	15	8			109	13	21			89	19	27		
14	165	6	7			140	10	16			113	12	19			96	13	31		
15	167	2	8			141	11	13			117	12	24			*98				
16	169	6	8			145	9	17			*122					102	17	33		
17	166	13	3			142	12	11			117	14	21			100	28	34		
18	167	11	5			143	13	9			117	16	20			102	22	22		
19	165	10	6			143	12	10			119	15	15			100	20	15		
20	167	6	6			143	9	11			119	10	14			104	8	8		
21	165	5	5			142	7	8			119	10	13			106	7	10		
22	163	8	4			140	10	4			117	8	13			102	11	4		
23	163	4	6			136	9	5			113	18	11			101	12	4		

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	75	6	11			56	8	5			39	9	3			23	1	3		
01	74	6	10			56	4	7			41	3	5			23	1	2		
02	74	8	8			56	9	8			37	6	2			23	3	2		
03	74	5	8			56	6	6			37	7	5			23	2	2		
04	74	4	8			56	6	6			35	5	4			23	4	2		
05	70	8	10			54	6	6			35	6	4			23	2	2		
06	58	13	12			50	8	6			41	4	6			23	4	2		
07	46	16	6			42	23	8			37	6	4			23	2	2		
08	44	5	5			*36					*37					23	3	2		
09	44	4	4			34	26	6			33	10	4			25	2	2		
10	46	4	4			32	8	4			33	8	8			25	2	2		
11	46	6	4			32	4	5			32	8	7			27	9	2		
12	44	10	2			32	15	4			33	10	7			27	8	3		
13	49	15	7			36	14	9			35	10	7			27	11	2		
14	58	16	14			46	15	15			41	7	7			29	7	4		
15	60	25	14			50	14	19			47	4	14			31	2	4		
16	68	16	20			57	11	16			*47					36	16	3		
17	*78					60	14	12			*48					*31				
18	76	16	12			64	10	10			*51					*31				
19	80	14	12			62	11	6			51	12	6			27	17	4		
20	80	6	8			62	8	6			49	5	6			25	4	3		
21	78	7	5			60	7	6			47	4	6			23	8	2		
22	78	8	6			56	10	4			43	6	4			23	7	2		
23	76	10	4			56	6	6			39	12	4			23	10	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month December 1963

Frequency (Mc)

Hour (LST)	.013					.051					.160					.495				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	*150					*122					113	8	10			83	13	9		
01	*150					*123					109	8	8			*81				
02	*150					123	4	4			109	6	6			84	12	7		
03	*150					*124					107	16	6			*84				
04	150	6	8			*123					107	7	8			81	10	8		
05	*152					*121					108	9	11			*79				
06	150	4	8			*120					*105					*71				
07	*148					*119					*97					*67				
08	*148					*111					*88					*70				
09	*147					*111					*95					*77				
10	*148					*107					*95					71	28	16		
11	146	6	6			107	16	13			97	13	16			63	22	8		
12	148	5	5			109	14	9			93	6	16			66	15	9		
13	147	4	10			109	10	10			92	16	10			61	18	6		
14	148	5	6			109	12	8			*91					61	10	6		
15	*147					*107					*91					62	15	10		
16	146	4	2			*107					*96					65	11	7		
17	148	4	2			113	9	11			101	10	8			77	9	12		
18	146	8	5			115	10	4			103	5	9			81	12	6		
19	148	4	4			117	10	21			103	7	9			87	7	11		
20	148	4	7			119	10	20			105	10	14			81	12	4		
21	*149					121	10	20			109	5	12			83	8	4		
22	150	4	7			*122					107	12	16			85	13	10		
23	150	4	4			*123					*106					*84				

Hour (LST)	2.5					5					10					20				
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	59	15	8			50	9	2			23	14	10			27	16	4		
01	57	8	7			52	6	4			22	19	7			27	17	4		
02	55	10	8			52	6	8			19	21	6			27	15	4		
03	55	11	4			52	6	7			22	13	6			28	12	5		
04	57	13	6			52	22	6			18	17	5			27	12	4		
05	56	8	5			50	3	5			17	21	6			26	14	3		
06	55	8	8			48	6	4			18	21	3			29	11	5		
07	50	9	4			46	12	6			23	23	8			29	10	5		
08	51	8	8			40	14	4			21	24	4			*29				
09	*45					*37					*23					*33				
10	*49					32	12	8			23	20	4			31	10	6		
11	46	10	5			29	16	7			20	19	7			29	12	2		
12	45	10	4			32	16	9			18	20	6			29	10	4		
13	45	10	6			26	17	7			17	23	4			31	8	6		
14	43	14	3			36	9	4			21	19	7			31	9	6		
15	51	4	6			38	16	10			25	19	10			27	15	3		
16	46	8	5			35	8	13			23	16	6			29	12	4		
17	53	8	12			52	2	8			23	16	8			27	14	2		
18	55	7	9			52	6	10			21	18	8			29	12	4		
19	59	6	13			50	4	3			21	16	6			28	11	5		
20	56	8	8			50	2	6			23	18	8			27	11	4		
21	59	9	12			52	4	4			21	16	8			27	10	4		
22	56	12	8			50	4	5			22	21	9			27	10	3		
23	55	13	4			52	4	8			19	19	4			28	16	5		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month January 19 64

Frequency (Mc)

Hour (LST)	.013					.051					.116					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	146	12	28			*115					109	14	36			*82					65	14	12			54	14	6			26	9	7			42	32	14		
01	150	8	27			*113					101	22	28			*85					65	25	10			54	13	6			27	8	10			42	30	14		
02	*146					*117					103	18	30			*76					65	24	12			52	14	6			23	12	7			44	29	14		
03	*144					*119					*103					*89					65	29	10			54	12	8			25	12	6			42	21	14		
04	*149					*117					*92					*80					62	17	9			54	14	10			23	14	6			42	30	14		
05	*148					*117					*101					*76					61	16	8			50	23	2			23	9	6			40	35	10		
06	*150					*99					*103					*73					65	18	12			48	10	6			25	6	9			44	33	14		
07	*145					*117					*99					*62					65	17	18			48	8	6			25	9	6			43	21	13		
08	*148					*107					*88					*63					53	12	13			43	8	9			28	7	7			43	28	14		
09	*142					*105					*89					*77					*51					*38					*30					*52				
10	*150					*115					*91					*65					*49					30	16	6			27	13	10			46	26	15		
11	*148					*106					91	10	18			64	15	14			47	13	6			30	9	8			25	12	9			44	21	8		
12	*151					*112					91	20	12			67	17	11			35	10	4			28	10	4			25	8	8			43	15	14		
13	150	4	34			*108					95	12	12			66	11	10			35	10	6			28	12	6			23	9	6			45	30	12		
14	*150					*115					91	14	18			62	25	10			35	14	6			26	16	4			25	6	8			40	23	14		
15	*149					106	11	13			89	20	18			64	24	11			35	16	4			32	18	8			27	12	8			46	17	19		
16	*148					*102					87	22	12			70	14	16			49	13	9			39	17	11			27	13	4			48	15	20		
17	149	9	13			107	22	14			99	18	29			78	12	18			51	23	10			46	12	8			27	9	6			46	8	18		
18	148	15	15			115	18	22			94	23	25			*78					57	25	8			48	13	7			27	14	10			48	13	20		
19	148	18	18			119	12	18			*102					*85					63	19	10			52	14	8			29	13	8			44	21	16		
20	150	8	18			*120					*104					*83					63	20	10			52	13	6			29	12	9			42	39	14		
21	150	10	22			*119					*107					*83					63	18	9			52	14	6			26	14	5			42	35	14		
22	*148					111	18	18			*95					*77					63	21	9			54	11	7			25	10	8			44	31	16		
23	149	9	31			*108					*103					*82					63	16	9			53	12	11			33	15	13			46	22	27		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Month February 19 64

Hour (LST)	Frequency (Mc)																																	
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm	Fam	Du	Dℓ	Vdm	Ldm
00	*149					*124					*108					*84					59	6	7			53	4	5			28	7	9			35	7	4		
01	*148					*122					*107					*84					56	6	5			53	4	5			26	6	6			36	9	6		
02	*148					*124					*107					*82					58	4	7			53	4	4			26	6	6			34	8	4		
03	*147					*122					*107					*82					54	11	2			51	4	6			24	8	4			34	10	4		
04	*148					*124					*97					*82					56	8	5			49	7	4			27	11	5			*34				
05	*150					*124					*103					*82					56	6	4			50	7	7			24	5	6			*34				
06	*148					*120					*98					*74					58	6	10			47	4	6			22	6	6			*36				
07	*148					*114					*83					*58					52	8	8			47	4	4			26	4	7			*37				
08	*146					*112					*84					*58					45	5	5			37	6	4			26	6	2			*38				
09	*144					*104					*86					*58					*39					*29					*25					*40				
10	*147					*110					*83					*60					*40					*26					*26					*48				
11	*148					*110					87	10	6			*58					44	4	6			26	9	3			24	2	2			*40				
12	147	3	3			*112					87	6	8			60	8	2			42	8	4			*27					20	14	2			48	15	12		
13	148	2	8			109	11	9			85	16	5			60	7	6			46	12	6			27	12	4			24	21	4			47	20	16		
14	146	4	14			109	7	9			87	10	12			58	9	6			42	11	2			25	6	2			22	18	2			42	19	10		
15	146	4	23			109	7	9			87	9	10			56	12	4			46	16	7			29	10	4			26	15	3			36	22	5		
16	146	4	4			106	9	10			83	17	6			60	11	6			42	26	3			35	8	8			28	4	4			34	34	3		
17	*146					106	7	13			90	9	9			65	9	7			42	10	3			41	6	7			31	6	4			35	25	5		
18	145	5	25			112	6	19			*95					74	10	4			49	16	6			47	6	7			28	5	5			35	23	5		
19	146	4	8			118	4	12			99	4	27			*80					55	11	7			49	5	4			28	7	7			32	12	2		
20	*148					120	2	18			*103					*85					57	11	9			49	6	5			27	10	6			32	19	3		
21	*148					*119					107	8	32			84	4	28			58	8	6			49	6	4			30	7	6			36	19	7		
22	149	3	33			*121					*107					84	6	28			58	13	7			51	6	11			28	11	9			34	21	5		
23	*149					122	4	32			*107					84	6	24			58	12	5			51	4	3			30	11	12			34	16	5		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station São José, Brazil Lat. 23.3 S Long. 45.8 W Month December 19 63

Frequency (Mc)

Hour (LST)	.051 Fam	Du	Dℓ	Vdm	Ldm	.113 Fam	Du	Dℓ	Vdm	Ldm	.246 Fam	Du	Dℓ	Vdm	Ldm	.545 Fam	Du	Dℓ	Vdm	Ldm
00	134	7	8			110	15	8			103	14	10			87	20	7		
01	132	10	10			108	16	8			102	14	11			87	19	8		
02	132	8	10			107	14	7			101	13	10			87	17	8		
03	132	8	12			108	14	12			99	14	6			84	15	6		
04	132	6	16			106	14	12			95	16	6			81	16	6		
05	126	10	18			95	11	7			*81					75	7	5		
06	121	11	5			93	10	11			86	15	7			85	9	11		
07	116	11	7			92	12	8			*79					83	8	10		
08	118	12	6			91	13	4			81	8	8			86	7	9		
09	120	7	14			94	11	10			80	8	3			85	4	12		
10	119	9	11			94	8	12			83	7	8			85	5	8		
11	122	8	16			94	16	5			83	15	10			87	7	14		
12	128	13	12			100	22	10			91	31	12			87	23	14		
13	131	24	17			105	30	19			103	26	22			91	28	12		
14	133	10	16			112	28	24			106	24	23			87	24	6		
15	136	17	17			113	21	22			109	22	28			89	25	8		
16	144	10	22			113	23	23			108	23	27			91	17	13		
17	136	16	20			118	14	26			111	14	34			89	22	10		
18	135	12	18			118	12	26			112	8	26			92	12	14		
19	136	10	14			114	11	17			106	12	15			89	14	6		
20	135	8	14			114	11	12			103	14	12			91	13	8		
21	136	7	14			114	12	10			105	14	10			91	12	8		
22	135	8	12			114	14	7			105	13	10			91	12	8		
23	134	8	6			114	10	12			105	14	12			89	17	6		

Hour (LST)	2.5 Fam	Du	Dℓ	Vdm	Ldm	5 Fam	Du	Dℓ	Vdm	Ldm	10 Fam	Du	Dℓ	Vdm	Ldm	20 Fam	Du	Dℓ	Vdm	Ldm
00	71	10	8			55	10	18			43	9	7			24	22	2		
01	71	6	9			57	5	20			41	8	6			24	23	2		
02	71	8	10			55	6	17			39	10	7			24	15	2		
03	71	7	10			53	8	16			39	8	9			24	16	2		
04	69	8	10			53	10	16			39	11	8			24	8	2		
05	65	8	14			50	17	13			37	8	4			24	21	2		
06	55	10	8			46	19	9			35	11	6			24	18	2		
07	47	11	9			41	15	5			32	9	5			24	4	2		
08	39	13	4			43	7	8			32	9	7			24	4	2		
09	39	8	4			39	8	5			31	8	8			24	4	2		
10	38	7	5			38	7	7			27	10	6			24	2	2		
11	39	4	6			37	4	6			29	10	4			24	6	2		
12	41	25	6			37	20	5			35	14	10			24	13	2		
13	53	27	16			43	18	10			39	22	11			28	15	6		
14	59	28	22			45	20	14			41	13	12			29	17	5		
15	59	24	22			51	16	16			46	13	14			32	17	8		
16	59	28	23			53	15	17			45	12	11			34	14	8		
17	61	20	17			59	6	19			39	7	8			32	18	4		
18	66	13	10			60	10	16			47	12	6			34	19	9		
19	73	9	11			63	9	16			47	14	6			28	27	4		
20	74	7	14			63	11	16			47	13	7			28	26	6		
21	72	9	11			61	8	20			45	12	4			30	19	8		
22	73	6	12			61	10	21			45	10	4			26	28	4		
23	73	6	12			61	11	24			44	10	3			24	26	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3 N Long. 103.8 E Month December 19 63

Frequency (Mc)

Hour (LST)	.013 F_{am}	.013 D_u	.013 D_ℓ	.013 V_{dm}	.013 L_{dm}	.051 F_{am}	.051 D_u	.051 D_ℓ	.051 V_{dm}	.051 L_{dm}	.160 F_{am}	.160 D_u	.160 D_ℓ	.160 V_{dm}	.160 L_{dm}	.495 F_{am}	.495 D_u	.495 D_ℓ	.495 V_{dm}	.495 L_{dm}
00	161	4	2	11.0	17.0	140	6	3	11.0	19.0	120	5	4	10.0	17.5	96	7	4	10.0	18.5
01	162	4	5	11.0	17.5	141	4	2	11.0	17.5	121	3	6	10.0	18.0	98	6	5	9.0	18.0
02	163	2	5	11.5	17.5	141	4	6	11.5	18.0	120	4	5	9.5	18.0	98	4	6	10.0	18.5
03	161	3	4	12.0	17.5	141	2	5	11.0	18.0	120	4	5	10.5	18.0	96	7	4	*10.0	*19.5
04	161	5	3	12.0	19.0	141	2	6	12.0	18.5	120	2	5	12.5	20.5	95	5	3	12.0	21.0
05	161	4	4	11.5	19.0	137	5	6	14.0	22.0	116	4	10	*14.0	*24.0	87	10	11	*15.0	*24.5
06	161	3	4	13.0	20.0	133	6	5	15.0	22.0	106	10	9	*16.0	*26.0	80	12	12	*17.0	*28.0
07	159	6	4	14.0	22.0	131	12	10	*15.0	*23.0	108	10	13	*17.0	*27.0	80	11	15	*10.0	*18.0
08	159	6	6	15.5	21.5	129	8	6	17.5	24.5	107	13	14	*13.0	*22.0	84	6	9	*19.0	*27.5
09	159	3	10	15.0	21.0	129	8	4	16.0	23.5	105	8	10	*17.5	*27.0	84	5	8	*18.0	*27.0
10	157	6	4	14.0	20.5	127	8	4	15.0	23.0	101	10	9	*18.0	*26.0	81	9	9	*17.0	*24.5
11	157	8	4	13.0	20.0	129	8	6	14.5	21.0	104	16	11	*15.5	*23.0	84	10	14	*8.5	*15.5
12	159	8	2	11.0	17.0	133	4	6	11.0	18.0	106	10	10	14.5	23.0	84	10	8	*12.5	*22.5
13	161	4	4	10.0	16.0	135	6	6	11.0	19.0	113	9	13	14.5	23.5	90	10	13	*15.0	*25.0
14	163	4	4	10.5	17.0	137	19	6	12.0	18.0	114	10	10	*13.5	*22.5	92	24	10	*12.0	*22.0
15	163	6	4	*11.0	*17.5	139	16	6	13.0	20.0	114	8	8	*16.0	*25.0	90	14	10	13.5	21.5
16	163	6	4	11.5	18.0	139	8	6	13.5	22.5	114	7	9	*13.5	*21.0	89	10	8	*10.0	*17.0
17	161	5	3	12.0	19.5	138	5	5	12.0	19.0	114	7	6	11.0	17.0	92	9	5	9.5	16.0
18	159	6	2	11.0	17.5	140	5	5	10.5	17.0	118	6	6	9.0	15.0	97	3	7	7.5	14.0
19	161	5	4	10.5	15.5	139	6	3	10.0	16.0	119	5	5	9.0	16.5	96	7	3	8.0	15.5
20	161	5	4	11.0	17.0	141	5	6	9.5	16.0	118	8	3	9.0	17.0	98	6	4	8.0	16.0
21	161	7	4	10.0	15.0	141	6	4	11.0	17.5	119	7	3	9.5	17.0	98	6	6	9.0	16.5
22	161	6	3	10.0	17.0	141	7	5	10.5	18.0	121	7	5	10.0	17.0	98	6	6	9.0	17.0
23	162	6	5	10.5	17.0	141	5	5	10.0	16.5	122	6	8	10.0	18.0	98	6	7	10.0	18.0

Hour (LST)	2.5 F_{am}	2.5 D_u	2.5 D_ℓ	2.5 V_{dm}*	2.5 L_{dm}*	5 F_{am}	5 D_u	5 D_ℓ	5 V_{dm}*	5 L_{dm}*	10 F_{am}	10 D_u	10 D_ℓ	10 V_{dm}*	10 L_{dm}*	20 F_{am}	20 D_u	20 D_ℓ	20 V_{dm}	20 L_{dm}
00	67	4	18	6.0	11.0	59	4	9	5.5	8.5	39	6	6	4.0	6.5	22	2	0	1.0	3.0
01	69	3	8	7.5	14.5	57	4	4	4.5	8.0	37	8	4	4.0	7.0	22	1	0	1.5	3.0
02	69	3	8	7.5	13.5	57	4	6	4.5	7.5	37	4	8	4.0	6.0	22	1	3	*2.0	*3.0
03	69	3	6	8.5	13.0	55	4	8	4.5	7.0	32	5	3	2.5	4.5	23	2	1	*1.5	*3.0
04	69	2	12	8.0	15.0	53	4	6	5.0	8.0	31	10	4	2.0	4.5	23	2	2	*2.0	*3.0
05	69	2	14	10.0	17.0	54	5	9	5.0	8.0	35	4	10	5.0	7.5	23	2	2	*1.5	*3.0
06	57	4	11	10.0	17.0	55	3	6	6.5	10.0	41	8	2	4.5	7.5	25	1	3	*2.0	*4.0
07	46	9	10	11.5	15.5	49	6	10	9.0	14.5	41	11	5	6.0	9.0	23	3	0	*2.5	*3.5
08	39	8	6	8.0	10.0	39	6	4	8.0	12.5	35	14	3	5.0	7.5	25	2	4	*2.5	*4.0
09	35	6	6			33	8	7	11.5	18.5	35	8	9	5.0	10.5	23	2	2	2.5	4.0
10	31	8	4			31	4	2	8.5	13.0	35	8	8	3.5	5.0	23	2	2	*2.0	*3.5
11	29	8	2	9.5	14.0	31	6	6	10.0	16.0	34	7	5	7.0	11.5	25	1	2	*3.0	*5.0
12	31	10	4	9.5	13.5	33	7	10	9.0	14.0	33	12	4	7.0	12.0	25	2	2	*2.0	*3.5
13	38	7	7	10.0	16.0	35	8	1	10.0	15.0	37	6	4	8.0	12.0	27	6	2	*3.0	*5.0
14	38	12	5	9.0	16.5	41	16	7	7.0	12.0	41	6	6	7.0	11.5	27	6	2	*3.0	*5.0
15	43	8	10			45	16	7	9.5	15.0	43	9	4			27	8	2	*3.0	*5.0
16	49	6	6	7.5	13.0	52	5	7	9.0	12.5	45	8	2	5.0	7.5	27	4	0	3.0	4.5
17	53	8	7	6.5	11.0	57	2	4	5.0	6.0	47	10	4	4.5	7.0	27	4	4	2.5	4.5
18	63	2	3	6.0	12.0	59	2	4	5.0	8.5	47	10	3			25	4	2	*2.5	*4.5
19	67	3	6	8.0	12.5	60	3	3	5.5	9.0	44	3	3	5.0	7.0	25	1	2	*2.5	*4.0
20	65	5	1	7.0	11.0	59	2	5	5.5	9.0	43	6	4	5.0	9.0	25	5	2	*2.0	*4.0
21	66	5	3	7.0	13.0	60	1	3	5.0	9.5	47	5	7	6.0	9.0	27	2	3	*3.0	*5.0
22	65	7	4	8.0	13.0	61	1	4	5.5	7.0	45	2	4	6.0	9.0	25	2	4	*2.0	*3.5
23	67	4	4	6.5	11.0	59	3	6	5.5	9.0	43	2	6	5.0	7.5	23	2	2	*1.5	*2.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month December 19 63

Frequency (Mc)

Hour (LST)	.013										.160					.495																								
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	153	5	3								103	8	6			85	6	6																						
01	153	5	3								102	9	7			83	10	4																						
02	154	2	4								103	8	8			85	6	10																						
03	154	2	4								100	7	9			83	6	12																						
04	154	4	4								99	6	6			80	7	7																						
05	154	2	4								95	8	8			75	12	4																						
06	154	2	4								93	8	4			*75																								
07	152	2	2								*85					*69																								
08	152	0	4								*87					*69																								
09	*150										*87					*74																								
10	*149										*87					*69																								
11	152	2	8								*87					*69																								
12	152	2	6								*87					*70																								
13	*150										*88					*71																								
14	150	4	6								*91					*72																								
15	150	4	6								*89					*75																								
16	150	2	9								*87					*71																								
17	149	3	7								*90					*71																								
18	149	5	5								95	10	6			77	8	8																						
19	150	6	4								97	12	8			79	12	6																						
20	152	4	8								98	11	7			83	12	6																						
21	152	4	6								103	10	12			87	10	10																						
22	152	4	4								103	4	10			86	7	5																						
23	153	5	5								103	8	6			85	8	4																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month January 19 64

Hour (LST)	Frequency (Mc) .013										.160					.495																								
	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
00	148	6	4								96	20	7			80	19	6																						
01	148	6	4								94	20	5			80	16	7																						
02	148	5	2								96	18	8			80	12	7																						
03	150	4	4								91	21	3			80	11	9																						
04	149	4	3								95	14	9			*81																								
05	148	4	3								93	15	7			*78																								
06	148	5	3								89	17	4			*76																								
07	148	2	3								*86					*73																								
08	146	2	4								*91																													
09	*142										*93																													
10	140	7	2								*103					*85																								
11	142	14	3								*102					*72																								
12	142	14	3								*107					*78																								
13	142	10	3								*105					*88																								
14	142	8	2								*87					*79																								
15	142	8	3								*92					*78																								
16	140	10	2								*89					*74																								
17	142	6	4								*91					*76																								
18	142	10	2								91	22	6			74	20	4																						
19	142	11	2								92	22	7			76	23	5																						
20	144	11	4								93	21	8			78	17	6																						
21	144	10	4								97	20	12			80	23	6																						
22	146	10	5								95	22	10			80	22	8																						
23	146	8	4								97	23	9			78	22	6																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Month February 19 64

Hour (LST)	Frequency (Mc) .013										.160					.495																								
	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}	F_{am}	D_u	D_l	V_{dm}	L_{dm}
00	146	3	2								97	14	5			80	16	9																						
01	146	3	2								97	12	6			80	15	7																						
02	146	4	0								97	12	6			82	12	9																						
03	148	2	2								95	13	8			82	10	10																						
04	148	4	2								95	9	9			76	17	4																						
05	148	3	2								89	18	4			76	18	6																						
06	147	4	3								87	10	2			*71																								
07	148	2	2								*89																													
08	144	2	2								*88																													
09	142	3	3								*87																													
10	142	4	4								*87																													
11	142	4	2								*85					*70																								
12	144	4	4								*86																													
13	146	2	6								*87					*72																								
14	146	2	4								*87					*70																								
15	146	2	6								*91																													
16	144	2	5								*87																													
17	142	4	5								89	6	2			*76																								
18	144	3	5								91	10	6			72	14	2																						
19	144	2	4								92	12	4			76	11	4																						
20	144	4	5								93	12	6			78	14	4																						
21	144	4	3								95	10	9			80	12	5																						
22	144	2	2								97	5	6			80	8	6																						
23	146	2	4								97	11	7			82	14	7																						

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	6	4	12.0	17.5	150	8	2	11.0	16.5	148	6	4	11.5	16.5	154	6	4	11.0	15.5	152	4	6	12.0	17.0	148	6	5	12.5	17.5
.051	126	10	8	11.0	16.5	124	12	8	11.5	17.0	116	16	13	12.0	17.5	122	8	8	11.0	16.0	122	10	8	11.0	16.5	126	8	8	10.0	15.0
.160	108	10	8	10.0	16.0	102	14	20	11.5	19.0	84	28	12	9.0	15.5	90	18	8	9.5	14.5	100	12	12	9.5	15.0	108	8	8	9.0	15.0
.495	92	8	6	8.5	14.5	82	14	10	7.0	12.5	74	18	2	5.0	8.5	76	12	4	7.0	10.0	88	8	14	7.5	11.0	92	6	6	7.5	12.5
2.5	61	8	8	6.5	10.5	59	10	14	7.0	11.0	62	10	4	4.0	6.0	62	4	4	4.0	5.5	72	12	10	5.5	8.0	59	8	6	5.5	9.0
5	55	6	12	4.5	7.5	53	10	10	5.0	8.5	43	8	12	5.0	8.5	41	6	8	5.5	8.5	57	12	8	5.5	8.5	59	10	8	4.0	7.0
10	41	12	4	3.5	5.5	41	10	4	3.5	6.0	41	10	6	4.0	6.5	41	8	6	4.5	6.5	47	8	6	4.0	6.5	41	8	4	3.5	5.5
20	23	4	2	2.5	3.0	25	6	4	2.5	3.5	27	4	6	2.5	4.0	27	4	6	3.5	5.0	25	4	4	2.5	4.0	23	4	4	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2 N Long. 105.2 W Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	4	2	10.5	16.5	150	4	2	11.5	17.5	146	4	4	11.0	16.0	144	4	4	10.0	15.0	144	6	4	12.0	17.0	148	6	4	11.5	17.0
.051	128	4	4	2.5	5.0	128	4	8	2.0	5.0	118	6	8	2.0	4.5	117	5	7	2.0	5.0	122	6	8	2.0	5.0	128	2	5	2.5	5.0
.160	92	8	8	8.5	14.5	82	12	12	8.0	12.0	70	14	6	1.5	3.0	72	12	8	1.5	3.0	82	14	8	5.5	9.5	92	10	10	7.5	13.0
.495	76	8	10	6.5	11.0	62	14	10	4.5	7.5	52	6	2	2.0	3.5	52	6	2	2.0	3.5	66	12	12	4.0	7.0	76	8	8	6.0	10.5
2.5	49	8	4	3.0	5.5	47	6	6	2.5	4.5	23	8	4	1.5	3.0	21	4	2	1.5	3.0	43	8	16	2.0	4.0	51	4	6	2.5	5.0
5	48	5	4	3.0	6.0	46	6	4	3.0	5.5	28	10	8	1.5	3.0	26	6	9	1.5	3.0	48	4	8	2.0	4.5	48	6	4	2.5	5.5
10	35	14	4	1.5	3.5	35	8	4	1.5	3.5	33	4	4	1.5	3.5	35	12	6	1.5	4.0	38	13	7	1.5	4.0	33	12	4	1.5	3.0
20	24	2	0	0.5	2.0	26	0	2	1.0	2.5	26	0	2	1.0	2.5	24	2	0	1.0	2.5	24	0	0	1.0	2.5	24	0	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1 N Long. 105.1 W Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	2	4	12.0	18.5	152	2	4	13.5	19.0	146	4	4	13.0	18.5	146	4	6	12.5	18.0	146	4	6	14.5	20.0	148	6	4	14.0	20.0
.051	129	4	8	4.0	6.5	125	6	6	4.0	6.0	117	6	8	3.5	6.0	117	6	6	3.5	6.0	121	6	6	3.5	6.0	125	6	6	4.0	7.0
.160	95	10	10	8.0	12.5	85	10	6	5.0	8.0	81	6	4	3.0	5.5	81	4	4	3.0	5.0	87	14	6	6.0	9.0	95	10	8	8.0	12.0
.495	79	8	8	7.0	11.0	67	8	4	4.0	6.0	67	4	4	2.5	4.0	67	4	4	2.5	4.5	71	12	6	4.0	6.5	79	10	6	5.5	9.5
2.5	52	5	6	5.0	7.5	50	4	4	5.0	7.0	44	4	4	4.0	6.0	44	6	4	3.5	5.0	48	6	4	4.0	6.0	52	6	4	5.5	8.0
5	53	6	8	5.0	8.0	49	6	6	5.5	8.5	37	4	4	3.5	5.0	37	4	6	3.5	5.5	51	6	9	5.0	8.0	51	6	7	5.5	8.5
10	38	12	6	3.5	5.5	38	6	6	4.0	6.0	36	4	4	4.0	6.5	41	5	7	4.0	6.5	40	10	8	4.0	6.0	36	12	6	3.5	6.0
20	18	2	2	2.5	4.0	18	4	2	3.0	4.0	20	2	3	3.0	4.0	19	3	2	3.0	4.5	18	2	2	2.5	4.0	17	3	1	2.5	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6 S Long. 130.4 E Season Summer(Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	159	4	4	10.5	16.5	157	4	4	11.5	18.5	155	4	6	14.0	21.5	159	4	8	11.5	18.5	159	6	4	8.5	14.5	159	6	4	11.0	17.5
.051	133	6	4	10.5	18.0	129	6	12	11.5	19.0	121	8	10	14.5	22.5	129	6	10	9.5	16.5	121	4	6	7.5	13.0	135	4	6	9.0	16.0
.160	110	7	4	9.5	17.5	94	18	20	12.5	20.5	84	16	14	13.0	20.0	96	13	12	8.0	14.5	104	10	10	7.0	12.5	114	4	8	8.0	15.0
.495	92	6	8	9.0	16.5	58	32	16	8.5	15.0	46	24	4	7.0	11.0	52	26	10	6.5	10.5	74	18	24	6.0	11.5	94	6	8	7.0	14.0
2.5	64	6	6	6.5	12.0	54	12	24	7.5	13.0	20	14	2	5.5	8.0	20	17	2	6.0	8.5	38	26	12	5.0	8.5	66	6	6	6.0	11.0
5	57	4	4	5.5	9.0	51	8	18	6.0	10.0	23	14	6	7.0	10.0	27	10	10	5.5	9.0	49	12	12	5.0	9.0	59	4	6	5.5	10.0
10	41	6	6	5.0	8.0	37	6	4	4.0	6.0	29	6	4	4.0	6.5	33	8	6	4.5	7.0	45	6	6	4.5	8.0	45	5	4	5.0	9.0
20	22	2	0	3.0	4.0	22	2	0	2.5	3.5	22	2	0	2.5	4.0	26	6	4	3.0	5.0	26	6	4	3.0	5.0	22	2	0	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 70-80 S Long. 97.5-112.5 W Season Summer (*** Jan ***) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	147	2	4			147	2	4			145	4	3			145	2	2			143	2	2			143	3	3		
.051	107	4	6			103	6	2			105	20	8			105	5	4			107	10	6			108	4	3		
.160	71	12	7			75	16	12			77	16	12			72	13	8			79	11	13			78	7	9		
.495	64	13	15			64	26	10			76	10	17			67	23	9			71	18	8			64	17	4		
2.5	37	12	8	5.0	9.0	27	6	4	4.0	6.0	35	9	10	2.0	4.0	34	5	7	2.0	3.5	35	6	10	3.5	5.5	46	10	3	4.5	7.0
5	43	6	4	5.0	8.5	33	6	4	5.5	7.5	31	4	2	5.5	7.5	31	2	3	5.5	7.5	35	10	6	5.0	7.5	46	5	3	4.5	8.0
10	32	4	2	4.0	6.0	30	2	4	2.5	4.0	28	6	2	1.5	2.5	28	0	2	2.0	3.0	32	5	3	3.5	6.0	34	4	3	4.0	6.0
20	35	0	4	3.0	5.5	35	2	2	3.0	5.5	35	2	2	3.0	6.0	35	1	2	3.0	5.5	35	3	2	3.5	6.0	35	2	2	3.0	5.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * * No December or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 112.5-117.5 W Season Summer (*** Jan ***) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	149	4	4	12.0	18.0	149	2	4	11.5	17.0	147	4	4	8.5	13.0	147	4	2	8.0	12.0	147	2	4	10.0	15.0	147	2	4	12.0	17.5
.051	111	6	6	10.5	16.0	105	4	4	8.5	13.0	105	6	6	4.5	7.5	105	6	6	5.0	8.0	107	6	6	6.5	10.0	111	6	6	7.5	12.5
.160	81	8	10	11.0	17.0	75	22	10	3.0	6.0	83	14	18	2.0	3.0	87	11	22	1.5	2.5	83	12	18	2.0	3.5	85	10	12	5.5	10.0
.495	64	31	12	2.0	4.0	66	32	17	2.5	5.5	80	20	20	2.0	4.0	76	22	18	1.5	3.0	76	20	20	2.5	6.5	68	24	6	2.5	4.5
2.5	45	8	10	5.5	10.0	29	6	6	3.5	5.5	37	2	6	2.0	4.0	37	4	8	1.5	3.0	37	8	6	8.5	5.0	53	4	12	4.0	7.5
5	49	7	4	5.5	9.0	31	10	6	5.0	7.5	31	9	6	3.0	5.5	31	8	8	4.5	6.5	39	10	10	4.0	7.5	55	2	12	4.0	8.0
10	36	4	4	3.5	6.0	29	4	1	1.5	3.0	28	3	1	1.5	2.5	28	4	2	1.0	3.0	36	4	6	3.0	6.0	40	3	6	3.0	6.0
20	29	8	2	2.0	3.5	31	4	2	1.5	3.5	31	6	2	2.0	4.0	31	4	2	2.5	4.0	33	4	4	2.0	3.5	31	6	2	2.0	4.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No December or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70 S Long. 82.5-97.5 W Season Summer (*** Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	150	2	7	10.0	15.5	148	4	3	10.5	16.0	148	2	2	9.0	14.0	150	6	4	8.0	12.5	146	7	2	9.0	14.0	147	9	6	9.5	14.5
.051	114	13	6	6.5	11.5	104	6	4	9.5	13.5	108	6	6	7.5	11.5	110	8	6	6.0	9.5	110	7	8	7.0	10.5	116	16	9	6.5	11.0
.160	86	18	11	7.5	12.0	68	16	4	5.5	9.0	72	14	6	5.0	7.5	70	31	4	6.0	8.5	82	12	14	5.0	7.5	88	15	12	4.5	8.5
.495	68	19	7	3.0	5.5	64	4	2	2.0	3.0	66	15	2	3.0	6.0	67	20	14	2.5	4.5	70	19	11	2.5	4.5	76	9	11	2.5	5.0
2.5	56	14	12			28	11	4			38	2	12			38	12	13			40	10	11			58	6	11		
5	55	6	6			39	10	12			29	2	2			29	4	2			37	13	8			55	6	6		
10	36	6	4			30	6	4			28	2	2			28	2	2			32	9	3			36	4	6		
20	34	2	6			36	2	7			36	4	8			36	4	8			36	4	5			36	2	6		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * * No December data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 97.5-112.5 W Season Summer (Dec *** ***) 19 63-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	149	6	17	11.0	16.5	141	9	13	10.5	16.5	151	2	9	10.0	16.0	152			9.5	14.5	149			12.5	19.5	149			9.5	14.5
.051	117	9	12	8.5	12.5	99	8	7	11.0	16.0	109			8.0	13.0	111			8.5	14.0	108			10.5	16.5	116			7.5	12.0
.160	91	7	19	10.0	15.5	66			6.0	9.0	68			6.5	11.0	73			9.0	12.0	76			3.5	5.5	92			8.0	14.0
.495	66	7	18	8.5	10.0	57			3.5	9.0	58			2.5	5.0	71			3.0	6.0	75			3.5	7.0	73			4.5	7.5
2.5	59	2	6			29	7	6			31					28					27					54				
5	53	3	3			36	12	12			27					28					40					55				
10	38	4	2			31	5	2			29					27					39					41				
20	27	10	2			27	0	2			25					27					27					27				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * * No January or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 67.5-82.5 W Season Summer (*** *** Feb) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	4	5			154	6	10			152	4	10			155	3	7			154	4	6			150	6	6		
.051	132	0	12			116	9	11			114	8	17			120	6	8			116	8	8			126	7	11		
.160	106	4	17			82	8	10			80	20	6			88	16	18			86	10	14			100	10	18		
.495	87	5	20			66	24	8			63	23	7			72	28	15			67	14	17			82	10	15		
2.5	68	6	17	6.5	12.0	40	21	12	5.0	9.5	38	2	8	1.5	3.0	40	18	14	1.0	2.5	48	13	9	3.0	6.0	64	6	12	6.0	10.0
5	61	2	6	3.5	7.5	45	14	11	5.5	9.0	29	6	2	4.0	6.0	34	9	3	4.0	7.0	48	9	11	4.0	7.0	59	5	7	3.5	6.0
10	39	4	3	3.0	6.0	37	5	6	3.0	5.5	29	5	2	2.5	4.0	36	3	7	2.5	4.0	39	4	6	3.0	5.0	39	5	2	3.0	5.5
20	36	2	10	2.5	5.0	32	4	4	2.0	4.0	32	6	5	2.0	4.0	32	4	2	2.0	4.5	33	3	7	2.0	4.5	32	6	6	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No December or January data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 52.5-67.5 W Season Summer (*** *** Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	12	4	12.0	18.0	151	3	9	12.5	18.0	146	6	2	12.0	16.0	153	5	8	10.0	15.5	154	3	13	9.5	15.0	152	5	10	10.5	16.0
.051	127	11	11	10.5	16.5	119	14	18	11.0	17.5	113	3	17	10.5	15.5	117	9	8	10.5	17.0	119	5	15	10.0	15.5	124	10	6	8.5	14.0
.160	105	13	11	9.0	15.5	86	14	10	11.0	18.0	80	10	16	11.0	15.5	82	12	17	10.0	15.0	89	7	11	8.0	14.0	104	10	15	8.5	14.5
.495	89	15	9	8.0	15.0	66	32	12	4.0	5.0	58	12	10	6.0	9.0	64	8	10	4.0	6.5	64	22	8	3.0	5.0	88	11	6	6.5	12.0
2.5	67	15	11			50	22	17			38	4	4			38	22	13			44	12	7			68	6	9		
5	63	8	11			54	13	16			31	10	4			34	13	7			51	9	13			62	5	3		
10	43	8	9			38	5	5			33	6	4			31	11	2			45	6	12			45	6	8		
20	30	0	2			28	2	0			30	0	2			28	3	0			31	3	3			30	4	2		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No December or January data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60 S Long. 112.5-127.5 W Season Summer (Dec Jan ***) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	154	3	6			152	2	3			150	2	4			150	2	2			147	3	3			149	3	3		
.051	117	6	5			106	5	4			106	4	2			106	4	6			108	4	7			118	4	6		
.160	92	6	12			71	27	6			82	18	18			81	17	14			80	20	8			94	5	5		
.495	70	24	20			66	32	22			76	22	19			80	18	30			77	17	12			78	20	13		
2.5	53	4	9	6.0	10.0	27	8	6	3.0	4.5	31	6	8	1.5	3.0	31	11	6	2.5	4.5	33	13	4	3.0	5.0	55	5	4	4.0	7.5
5	51	6	5	4.0	6.5	33	8	5	6.0	8.0	31	2	6	5.0	7.5	29	4	2	6.0	8.0	44	9	11	3.5	6.0	55	5	2	4.0	7.5
10	37	4	9	3.0	5.5	30	4	2	2.0	3.5	28	0	2	1.0	2.5	28	2	0	1.5	3.5	36	10	6	3.0	5.0	40	4	4	3.5	7.0
20	28	2	2	1.5	3.0	28	2	1	1.5	2.5	28	0	0	1.0	2.5	28	2	0	1.5	2.5	29	12	3	2.0	3.0	28	6	2	2.0	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

* * * No February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 97.5-112.5 W Season Summer (Dec *** ***) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	149			13.0	20.0	150			11.0	17.5	153			12.0	19.0	155			9.5	15.5	152			11.5	18.0	151			13.0	19.5
.051	119			8.5	14.0	109			11.0	18.5	115			9.5	16.0	114			6.0	11.0	112			7.5	12.5	126			8.0	13.0
.160	89			9.5	16.0	68			5.5	9.5	68					79			6.0	11.0	79			4.0	6.5	100			7.5	15.0
.495	63			15.0	21.0	49			1.5	2.5	66					69			3.0	6.0	77			2.5	5.5	72			4.5	8.5
2.5	61					40					29					25					40					61				
5	56					33					25					29					44					60				
10	41					32					27					32					43					44				
20	27					29					27					27					27					27				

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No January or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 82.5-97.5 W Season Summer (Dec *** ***) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	9	5	14.0	21.0	145	12	6	12.5	19.5	141			12.5	19.5	150	5	3	12.5	19.0	145	1	5	12.0	18.0	143	6	6	11.0	18.0
.051	118	7	7	6.0	8.0	105	10	10	12.0	18.0	105			14.5	22.0	109	4	3	11.5	19.0	103	7	5	15.0	22.0	117	7	6	7.0	11.0
.160	86	10	16	12.0	19.5	76			9.0	14.0	68			11.0	14.0	70	5	8	7.5	11.0	69	22	5	5.0	9.5	90	13	9	8.0	15.0
.495	67	12	16	7.0	11.0	59			3.5	6.5	59			2.0	4.5	55	10	4	4.0	7.0	65	11	17			67	11	4	8.5	15.5
2.5	55	11	8			36	15	15			31					30	12	6			35	11	8			53	6	2		
5	51	6	4			37	12	10			29					29	2	8			37	17	9			57	2	5		
10	37	8	2			33	6	4			29					28	4	3			39	7	9			41	7	5		
20	26	1	3			27	0	4			27					27	3	4			25	5	4			29	5	4		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No January or February data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50 S Long. 67.5-82.5 W Season Summer (Dec *** Feb) 1963-64

	TIME BLOCKS (LST)																											
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	5	3			153	5	3			152	6	2			158	6	2			154	5	5			153	5	9		
.051	128	8	6			116	10	10			115	11	4			120	9	2			117	7	7			127	.8	6		
.160	108	7	9			64	8	17			89	16	14			91	19	18			87	14	8			105	10	7		
.495	88	6	10			81	5	18			80	18	34			89	9	35			86	5	13			88	4	4		
2.5	69	9	5	5.0	10.0	44	18	10	5.0	9.0	38	2	4	2.0	4.0	35	7	5	2.5	4.0	49	18	15	3.5	5.5	66	9	2	4.0	7.5
5	56	7	3	4.5	8.0	46	11	11	4.0	8.0	30	5	3	5.5	8.5	33	3	6	6.5	9.0	46	10	10	4.5	7.0	58	7	5	3.0	6.5
10	38	6	4	4.0	7.0	36	4	6	3.5	6.0	28	4	2	2.0	4.0	30	4	4	2.5	4.5	36	4	4	4.0	6.5	37	10	2	4.0	6.5
20	26	2	1	2.0	3.5	28	0	3	1.5	2.5	28	3	1	1.5	3.0	28	4	1	2.0	3.5	29	2	2	2.0	3.5	29	2	3	3.0	4.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No January data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40 S Long. 67.5-82.5 W Season Summer (Dec *** Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	8	17			148	6	16			148	4	4			156	7	4			152	7	5			148	4	20		
.051	120	10	12			109	11	15			112	7	10			120	12	6			117	13	13			122	8	14		
.160	97	10	12			75	10	10			74	13	11			81	14	10			91	8	16			99	8	14		
.495	81	9	15			61	21	11			60	26	14			64	29	13			72	22	11			82	10	15		
2.5	63	11	5	5.0	9.5	46	16	18	5.0	9.0	36	6	4	1.5	3.0	36	8	9	3.0	5.0	48	21	12	3.5	7.5	66	6	10	4.5	9.0
5	55	8	2	6.0	10.0	45	15	12	4.5	7.0	29	5	5	6.5	9.0	31	9	7	5.5	8.5	51	3	18	4.0	7.0	61	5	7	4.0	6.5
10	40	6	6	4.0	6.0	36	6	4	3.5	5.5	28	8	2	3.0	5.0	30	6	5	4.0	7.0	41	11	7	4.5	7.5	42	7	8	4.5	7.0
20	27	10	1	2.0	3.5	28	4	3	2.0	3.0	28	2	1	1.5	3.0	29	4	2	2.0	3.5	29	16	2	2.5	4.0	27	13	1	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No January data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Enkoping, Sweden Lat. 59.5 N Long. 17.3 E Season Winter (Dec Jan Feb) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	149	4	4	11.0	17.0	149	4	4	12.0	18.5	143	6	8	12.5	19.0	143	4	6	9.0	14.0	145	4	4	8.5	13.5	149	2	4	9.5	14.5
.051	113	6	4	9.0	15.0	111	6	6	11.0	17.0	99	7	10	11.0	14.5	93	14	6	9.5	13.5	107	8	10	9.5	14.5	113	6	6	8.5	14.0
.160	96	6	6	5.0	9.0	98	8	10	5.0	8.5	88	10	8	5.5	10.0	90	6	10	5.0	9.0	92	8	6	4.5	8.0	98	6	6	5.0	9.0
.495	77	14	8	4.0	6.5	67	16	8	4.0	6.5	61	8	8	4.5	7.5	61	12	8	3.5	6.5	71	16	10	3.5	5.5	75	14	8	3.5	6.0
2.5	55	10	6	5.0	8.5	53	14	4	4.0	8.0	47	14	12	4.0	6.5	49	7	12	5.0	8.0	55	10	10	6.0	11.0	55	10	4	5.5	9.5
5	50	4	4	3.5	6.0	46	4	4	4.0	6.0	36	10	8	4.5	7.0	36	8	8	3.5	5.5	46	6	4	3.0	5.5	48	4	4	3.5	6.0
10	30	4	2	2.0	4.0	30	4	2	2.0	3.0	34	4	2	3.0	4.5	36	6	4	3.0	5.0	34	6	4	2.5	4.0	30	4	2	2.5	3.5
20	18	0	2	1.5	3.0	18	2	2	1.5	3.0	20	2	2	2.0	3.5	18	2	2	2.0	3.0	18	2	4	1.5	3.0	18	0	2	1.5	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8 N Long. 78.2 W Season Winter (Dec Jan Feb) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.135	100	6	6			96	6	5			88	8	4			88	9	4			93	8	7			99	6	5		
.500	77	8	7			63	11	9			54	4	3			56	6	4			63	9	7			76	7	6		
2.5	59	7	7			56	8	8			38	7	6			36	7	4			51	8	11			58	9	5		
5	51	5	6			50	7	4			38	6	19			32	6	4			48	8	7			52	5	6		
10	36	2	2			36	6	1			38	4	3			38	3	3			40	4	3			36	3	1		
20	25	2	2			25	2	1			27	1	2			25	3	1			25	3	2			24	3	1		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 W Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	152	2	4	11.5	18.0	152	2	2	11.0	17.5	148	2	4	13.0	19.5	148	2	4	15.0	22.5	146	4	4	14.0	21.5	150	4	2	11.0	17.0
.051	126	6	3	11.5	17.5	126	6	4	12.5	19.0	108	10	10	11.0	15.0	106	10	8	12.0	16.0	106	14	8	9.0	12.5	120	8	8	11.0	15.5
** .160	104	6	4	11.5	18.5	100	8	16	13.5	19.5	72	14	8	11.5	17.0	68	18	4	7.0	10.0	76	24	12	9.0	13.0	98	8	10	13.5	20.0
.495	83	8	7	11.0	17.5	77	11	20	9.0	14.5	55	16	4	5.0	8.0	53	9	4	5.0	8.0	63	18	12	7.5	11.5	79	12	10	11.0	18.5
2.5	58	6	4	7.5	12.0	58	6	7	8.0	12.5	34	10	6	4.0	6.0	28	8	2	3.0	5.0	42	12	12	5.0	7.0	54	8	6	7.5	11.5
5	51	6	2			49	4	6	4.5	7.5	29	16	8	4.0	6.5	23	8	4	3.5	6.0	41	10	12	4.0	6.0	51	6	6	4.0	7.0
10	32	5	4	2.5	4.5	31	4	3	2.5	4.0	29	6	8	5.0	7.5	25	7	6	4.0	6.0	33	5	4	4.0	6.0	34	4	4	3.0	5.0
20	22	2	0	1.0	3.0	24	0	2	1.5	3.0	24	2	2	2.0	4.0	22	4	0	2.0	4.0	24	2	2	1.5	3.0	22	2	0	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

** No December or January data for log and voltage

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station New Delhi, India Lat. 28.8 N Long. 77.3 E Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	153	2	4	8.0	11.0	151	4	2	8.0	11.0	147	4	2	6.0	8.0	149	2	4	6.0	8.5	151	2	4	6.5	9.0	153	2	4	7.5	10.0
.051	128	4	4	8.5	12.0	124	6	6	7.0	10.0	116	6	6	3.5	6.5	118	4	6	4.5	6.5	120	10	6	6.0	9.0	128	4	6	7.0	10.0
.160	105	8	6	10.0	15.0	101	9	12	8.5	13.0	95	2	14	7.0	11.5	91	8	10	9.0	12.5	101	8	12	9.5	15.0	109	8	8	8.0	12.5
.495	83	9	6	8.0	11.0	75	14	6	4.5	6.5	69	5	4	3.0	4.5	69	8	4	4.0	5.5	77	14	8	6.0	9.0	83	10	6	7.0	10.0
2.5	57	8	6	6.0	8.5	53	12	8	5.0	7.5	43	10	6	3.0	4.5	43	10	5	3.0	4.5	51	14	10	4.5	6.5	55	10	6	5.0	7.5
5	54	6	6	5.0	7.5	50	6	6	4.5	6.5	36	12	6	4.5	6.5	36	14	8	4.0	6.5	50	8	8	5.5	7.5	52	6	4	5.0	7.0
10	33	5	5	3.5	5.0	32	7	4	3.0	4.5	32	6	4	3.5	5.0	30	8	4	4.0	6.0	36	10	4	5.0	6.5	36	6	6	4.0	6.0
20	26	0	4	2.0	3.5	26	2	2	2.0	3.0	26	3	4	2.0	3.5	26	4	4	3.0	4.0	24	4	2	2.5	3.5	24	2	2	2.0	3.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6 N Long. 140.5 E Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																										
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	151	4	8	11.0	16.0	151	4	6	12.0	17.0	149	4	6	12.5	18.0	149	6	4	12.0	17.0	151	4	6	10.0	15.5	153	2	7	11.0	16.0
.051	127	6	4	12.5	19.0	123	8	10	13.0	19.5	105	14	6	13.0	19.0	107	14	4	12.5	18.5	119	8	16	11.5	16.5	125	6	4	11.5	18.0
.160	106	8	4	10.0	16.0	96	12	22	10.0	15.0	74	28	4	8.0	13.0	74	22	4	8.0	12.0	94	14	18	10.0	15.5	104	8	6	8.5	13.5
.495	85	8	4	9.0	14.5	73	14	14	10.0	16.0	61	14	4	8.0	11.0	61	14	4	5.0	7.5	79	12	14	7.0	12.5	85	9	4	7.5	12.0
2.5	57	10	4	7.0	11.0	53	12	8	6.5	11.0	43	2	4	7.5	11.0	41	4	2	8.0	11.5	51	10	8	7.0	10.0	57	8	4	6.5	10.5
5	56	12	6	5.0	8.5	52	16	6	6.0	9.0	38	12	4	6.0	8.5	38	10	6	6.0	9.0	56	12	10	6.0	9.5	54	14	4	5.5	8.5
10	33	5	4	2.5	4.0	33	8	4	3.0	4.5	35	8	4	4.0	6.0	35	6	4	3.5	6.0	38	5	5	3.5	6.0	33	6	4	3.0	4.5
20	23	1	0	1.5	3.0	23	2	0	1.0	3.0	25	4	2	2.0	3.5	25	6	2	1.5	3.0	23	4	2	2.0	3.5	23	0	2	1.5	3.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, So. Africa Lat. 25.8 S Long. 28.3 E Season Summer (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	156	8	11			152	9	11			151	9	10			160	9	9			162	9	11			159	12	12		
.051	134	10	10			126	12	15			120	14	12			136	12	12			142	10	14			138	14	12		
.160	113	12	10			99	18	20			91	20	14			115	14	28			123	12	24			119	14	14		
.495	97	11	12			74	24	18			64	23	7			93	17	33			101	16	27			101	15	12		
2.5	68	11	11			57	17	16			44	7	5			53	22	11			71	16	20			74	10	11		
5	56	8	6			50	10	8			36	10	8			44	14	12			60	12	14			58	10	6		
10	38	8	6			36	6	4			32	8	6			40	8	11			48	12	8			44	8	6		
20	21	6	5			21	4	4			23	4	4			27	6	8			27	12	9			22	12	6		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Rabat, Morocco Lat. 33.9 N Long. 6.8 W Season Winter (Dec Jan Feb) 1963-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	8	21			150	4	22			148	4	18			148	4	8			148	6	12			148	6	24		
.051	123	6	26			121	6	24			109	12	13			109	12	10			113	10	18			119	8	24		
.160	107	14	26			101	12	24			89	16	15			87	16	12			97	11	20			105	10	28		
.495	82	14	14			74	14	16			62	20	8			61	15	7			74	16	16			82	12	14		
2.5	59	18	8			58	13	9			47	10	8			45	10	4			51	18	10			59	16	8		
5	53	8	6			49	10	6			33	12	10			29	14	6			49	6	10			53	8	6		
10	26	10	8			24	12	8			26	14	8			24	15	7			28	10	10			28	13	12		
20	35	23	10			36	18	11			38	22	11			37	19	10			34	24	9			34	26	9		

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7 N Long. 93.8 W Season Winter (Dec Jan Feb) 19 63-64

	TIME BLOCKS (LST)																									
	0000–0400					0400–0800					0800–1200					1200–1600					1600–2000					2000–2400				
Frequency (Mc)	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}	F_{am}	D_u	D_ℓ	V_{dm}	L_{dm}
.013	148	8	4			148	6	2			144	8	4			146	6	6			144	8	4			146	9	4		
.160	99	11	10			91	12	6			87	15	2			87	8	2			89	16	4			97	14	10		
.495	82	12	8			78	13	8			70	22	0			72	15	2			76	14	6			82	14	8		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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